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FATS, OILS, AND JUN 23 1937 *
OLEAGINOUS RAW MATERIALS—U. S. Department of Agriculture PRODUCTION,
PRICES, TRADE, DISAPPEARANCE
IN THE UNITED STATES
1912-35
AND
AVAILABLE DATA FOR EARLIER YEARS

Prepared by

ANNE DEWEES

Associate Agricultural Economist
Bureau of Agricultural Economics



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Prepared by ANNE DEWEES, *associate agricultural economist*,¹ Bureau of
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INTRODUCTION

Commerce and industry today use more than three dozen well-known fats and oils and many more oils of less importance. Constantly new oils are being found and ancient oils are being produced in new places. About 1,800 different oils from plants obtained in all parts of the world have been studied. From Brazil oiticica, babassu, and ouricuri oils are being imported in increasing volume. The domestic production of such oriental oils as tung, perilla, and safflower is being promoted.

Modern science is responsible for multiplying the availability and usefulness of many of our resources. Scientific research into the ultimate composition of the more important fatty oils and the study of their characters, coupled with advances in chemical engineering, have

¹ Acknowledgment is made to Mrs. Florence C. Fitch, Vivian Behenna, Mrs. Yetta Brez Mann, Gertrude K. Caseley, Norman Mathias, and Mrs. Edith Warren Quinn, for their painstaking assistance in the preparation of these data.

made possible many new processes destined to enlarge the scope of the fats and oils industries. The process of hardening oils by hydrogenation has been enormously extended and improved, thereby greatly increasing interchangeability. Modern technique for refining and deodorizing has grown in relative importance. Solvent-extraction methods of producing vegetable oils have shown notable development.

Though often regarded collectively as a unit, fats and oils are vigorous rivals among themselves as well as competitors with other food and industrial commodities. They constitute a group of commodities, the economic connections of which make a formidable problem in interchangeability, joint supply, and competitive demand.

Most fats and oils enter the channels of trade as raw materials, and must be subjected to at least one processing before they can be classified as fats and oils. A number of these raw materials, notably peanuts, olives, coconuts, sunflower seed, and sesame seed, are used directly for human consumption. Many fats are byproducts of some major industry. Cottonseed oil and lard are representative of this group. This control of the supply by the supply-and-demand situation of the primary product constitutes an important factor governing the economic position of such fats and oils. In turn, meals and cake, used either for stock feed or for fertilizer, are important byproducts of the crushing industry, and in value sometimes equal or even exceed the value of the oil. Then glycerin is a valuable byproduct of soap manufacture. This interdependence of industries and products lends complexity and sometimes even leads to confusion.

To make the confusion less, to simplify some of the problems, and to facilitate economic research in the field, this attempt has been made to bring together the best available basic statistics on fats and oils in the United States. It has been a task of considerable magnitude, as many needed data are nonexistent and many are imprecise. Users of this bulletin should perhaps be reminded of the danger of treating estimates as though they were precise enumerations.

Some inaccuracies may be due to overlapping reports; crude and refined are not accurately differentiated; reports on neutral lard and other lard doubtless overlap; the terms "grease", "inedible tallow", etc., are used differently by different reporting concerns.

Most of the oil-production data are based on factory production and were obtained from the producers of animal and vegetable fats and oils, including expressors, extractors, and renderers. The figures do not include considerable quantities of lard, tallow, and grease produced in the households, on farms, and by smaller local butcheries and meat markets.

Reported consumption data represent "factory consumption", or amounts used in manufactured products, and do not include quantities used for culinary purposes by households, hotels, and bakeries or drying oils used for painters' supplies other than "ready mixed", or oils and greases used for lubrication purposes of any kind. Therefore, an apparent disappearance figure has been computed on the basis of production, net imports or exports, and stocks. From 1931 to 1935 computed total disappearance of fats and oils other than butter and lard has exceeded reported factory consumption of the same items by an annual average of 738,000,000 pounds. The available data on butter and lard are unsatisfactory. Because of the need of revisions of data on these two commodities and because data on fats and oils other than butter

and lard are often called for, several of the summary tables show totals both including and excluding butter and lard.

Data on stocks do not include supplies in the hands of householders, local tradesmen, retailers, wholesalers, or jobbers, except such as may be held in public warehouses. They do include stocks held by importers and exporters. Imported goods held in bonded warehouses are sometimes included in reports of stocks before they have been reported as imports. If the amounts are large, estimates of available supplies calculated on the basis of reported "imports for consumption" and stocks are invalid unless stocks in bonded warehouses can be accounted for.

Prior to January 1934, general imports have been used insofar as available, and when imports for consumption have been used they have been so labeled. It has been necessary to use imports for consumption for 1934 and 1935 in all cases as general imports have not been reported for these 2 years. For many commodities there is no practical difference between "general imports" and "imports for consumption." But in the case of marine mammal oils, in recent years large proportions of the general imports were stored in bonded warehouses for some time. For the period 1926-35, therefore, stocks of general imports held in bonded warehouses have been considered in connection with "imports for consumption" in the computation of apparent disappearance of these oils.

Figures in parenthesis are estimates interpolated by the author.

In order that errors of omission and commission certain to be discovered in this bulletin may be corrected, corrections from readers will be welcomed.

CLASSIFICATION OF FATS AND OILS

This bulletin deals with the principal fixed fats and fatty oils, composed of glycerin and fatty acids. Essential or volatile oils, mostly of vegetable origin, and mineral or hydrocarbon oils, are different in constitution and are not dealt with here.

The two large classes of fats and oils, vegetable and animal, may be roughly subdivided into drying, semidrying, and nondrying groups.

In general, a fat or oil having an iodine number less than 100 is classed as nondrying; one having an iodine number between 100 and 130 is classed as semidrying; and one with a number above 130 is put in the drying class.

Broadly speaking, the animal fats are nondrying but the marine animal oils are mostly semidrying or drying.

A. Vegetable oils:

1. Nondrying:

Almond.
Babassu.
Castor.
Coconut.
Kapok.
Olive, edible.
Olive, inedible.
Palm-kernel.
Palm.
Peanut.
Tallow, vegetable.
Teaseed.

A. Vegetable oils—Continued.

2. Semidrying:

Corn.
Cottonseed.
Croton.²
Rape.
Sesame.
Sunflower (or may be grouped with drying).

3. Drying:

Hempseed.
Linseed.
Oiticica.
Perilla.

¹ Not to be confused with crotonseed oil which has been named "Oleum Elliott" to distinguish it from the common croton oil.

A. Vegetable oils—Continued.

3. Drying—Continued.

Poppyseed.
Rubber seed.
Safflower.
Soybean.
Tung.
Walnut.

B. Animal fats:

Nondrying:

Butter.
Grease.
Lard.
Neat's foot oil.
Oleo stock.³
Oleo oil.⁴
Oleostearine.
Tallow (beef and mutton).
Wool grease.

C. Marine animal oils:

1. Fish oils:

Alewife (or river herring).
Herring.

C. Marine animal oils—Continued.

1. Fish oils—Continued.

Japanese fish (or Japanese sardine).
Menhaden.
Pilchard (or American sardine).
Salmon.
Sardine (European).

2. Fish-liver oils:

Cod.⁵
Cod-liver.
Halibut-liver.
Shark-liver.
Swordfish-liver.

3. Marine mammal oils: ⁶

Dolphin.
Porpoise.
Turtle.
Seal.
Sperm whale.⁶
Whale.

USES

Fats and oils in general fall into three classes of use: (1) Edible, (2) technical, (3) special. Only in a very few cases is any fat or oil confined to just one class of use.

EDIBLE FATS AND OILS

All fats and oils have food value, and practically all are used for food in some countries. Tung, castor, and croton oils and one or two others are exceptions because of their aperient properties. The Food and Drug Administration states: "Edible fats and edible oils are such glycerides of the fatty acids as are recognized to be wholesome foods. They are dry, and sweet in flavor and odor." Oils that have been denatured cannot be used in food products, neither can the inedible tallow and grease of the rendering industry.

Some oils, if cold-pressed, are suitable for edible purposes without further processing other than filtering. These are often referred to as virgin oils, as they require no chemical processing. The following oils fall in this class.

OILS THAT, WHEN COLD-PRESSED MAY BE USED FOR EDIBLE PURPOSES WITHOUT REFINING

Hempseed.⁷Linseed.⁷

Olive (all pressings).

Peanut.

Perilla.⁷

Poppy.

Rape.

Safflower.

Sesame.

Sunflower.

Oil materials are often hot-pressed after cold-pressing or the oil may be produced by solvent extraction. Oils produced in these two ways usually should be refined for food purposes, and are often

³ Known in Europe as "premier jus."

⁴ Known in Europe as "oleomargarine."

⁵ Cod oil is a low-grade cod-liver oil.

⁶ Sperm oil, because of its high spermaceti wax content is not a true fat and does not belong in the semi-drying group. Both dolphin and porpoise oils contain some spermaceti, thus forming intermediate members between true fatty oils and liquid waxes.

⁷ Used for food in foreign countries but not much in the United States.

bleached, deodorized, or wintered. Several of them are used for food only in limited quantities or in foreign countries.

OILS THAT ARE USUALLY (OR SHOULD BE) PROCESSED OR REFINED BEFORE USING FOR EDIBLE OR MEDICINAL PURPOSES

Castor.	Olive, inferior grades. ⁹
Coconut.	Palm-kernel.
Cod-liver.	Palm.
Corn.	Peanut (hot-pressed).
Cottonseed.	Poppy (hot-pressed).
Fish and marine animal.	Safflower (hot-pressed).
Kapok.	Sesame (hot-pressed).
Linseed (hot-pressed). ⁸	Soybean (hot-pressed).
Mustard (hot-pressed).	

FATS AND OILS FOR TECHNICAL AND SPECIAL USES

Many fats and oils may be used for industrial purposes without being refined, but often they are processed in some way. That is, oils (liquid at room temperature) are hydrogenated for soap; tung oil is subjected to heat treatment for paints and varnishes; rape oil is blown for special lubrication purposes; linseed oil is blown, "boiled", polymerized, top-fired, or refined or otherwise treated as required in special industries; menhaden oil and soybean oil are often blown for use in paints; perilla oil may be heated, blown, or polymerized for paints and varnishes; castor oil may be blown for lubricants and for use in lacquers and artificial leathers or sulphonated for use in dyeing and finishing fabrics; cottonseed oil must be refined for use in white soap; fish oils are usually deodorized before use and are also refined for use in paint. Many other cases could be cited.

OILS THAT CAN BE USED FOR CERTAIN INDUSTRIAL PURPOSES WITHOUT REFINING

Castor.	Mustard.	Poppy.
Coconut.	Olive.	Rape.
Corn.	Palm-kernel.	Sesame.
Cottonseed.	Palm.	Soybean.
Hempseed.	Peanut.	Sunflower.
Kapok.	Perilla.	Tung.
Linseed.		

WAXES

Waxes derived from animal and vegetable sources resemble oils and fats in many of their properties—but fats are glycerides and waxes are esters.

Some waxes are competitive with certain of the fats, particularly in candlemaking. But as they are relatively unimportant they are not considered in this bulletin. The principal waxes are the vegetable waxes, candelilla (or montan), carnauba and sugarcane; the insect waxes, beeswax and Chinese insect wax; and the marine animal, spermaceti. The names of some of the substances are misnomers. For example, Japan wax and myrtle wax are both true fats yielding glycerin when split up, and sperm oil is not an oil but a liquid wax, for no glycerin is obtained.

⁸ Partly hydrogenated and used for oleomargarine in some European countries.

⁹ Inferior grades have to be refined, and sometimes deodorized. Some of the African oils partially solidify at higher temperatures than the European oils, and it is therefore customary to "winter" them.

SUMMARY TABLES

PRODUCTION

TABLE 1.—Summary of total production, net imports, and apparent disappearance of fats and oils, United States, 1912, 1914, and 1916-35

[Net exports are indicated by a minus sign]

Calendar year	Domestic production			Net exports or net imports of oil	Changes in stocks ¹	Total apparent disappearance ¹
	From domestic materials	From imported materials	Total			
1912.....	<i>Million lb.</i> 5,709	<i>Million lb.</i> 208	<i>Million lb.</i> 5,917	<i>Million lb.</i> -752	<i>Million lb.</i> -----	<i>Million lb.</i> 5,165
1914.....	6,231	300	6,531	-467		6,065
1916.....	6,306	457	6,763	-325	² +15	6,423
1917.....	5,649	531	6,181	157	³ +13	6,325
1918.....	5,928	529	6,457	162	³ +8	6,611
1919.....	6,395	473	6,868	-447	³ +55	6,366
1920.....	5,969	538	6,507	-346	+104	6,057
1921.....	6,522	428	6,951	-920	-142	6,173
1922.....	6,653	530	7,189	-448	-231	6,971
1923.....	7,312	760	8,072	-636	+35	7,401
1924.....	7,678	670	8,348	-627	+84	7,636
1925.....	7,638	472	8,111	-201	-24	7,933
1926.....	7,928	645	8,573	-127	+296	8,150
1927.....	7,970	795	8,765	-98	+286	8,381
1928.....	7,909	693	8,602	-94	-151	8,659
1929.....	8,112	880	8,992	181	+208	8,964
1930.....	7,767	693	8,460	241	+110	8,592
1931.....	7,779	587	8,366	211	+80	8,496
1932.....	7,840	456	8,296	19	+142	8,174
1933.....	7,952	629	8,581	224	+507	8,298
1934.....	7,436	618	8,054	288	-411	8,763
1935 ⁴	6,146	827	6,973	1,607	-167	8,747

¹ Stocks of marine mammal oils in bonded warehouses have been deducted. (See table 99.)² Includes only butter and lard.³ Includes only butter, lard, and cottonseed oil.⁴ Preliminary.

Computed from individual commodity tables. Also see tables 4, 5, 6, 7, and 9. Items have been rounded to million pounds without adjustment to totals.

TABLE 2.—Commodities composing the groups in table 1 of total production, imports, and disappearance of fats and oils, United States, 1920-35

[Items are included for all years as available]

Domestic production from—		Net exports or net imports of oil	Stocks	Apparent disappearance
Domestic materials	Imported materials			
Butter (including farm).	Castor beans.	Butter.	Butter.	Butter.
Corn oil.	Copra.	Castor oil.	Castor oil.	Castor oil.
Cottonseed oil.	Flaxseed.	Coconut oil.	Coconut oil.	Coconut oil.
Marine animal oils.	Palm kernels.	Corn oil.	Corn oil.	Corn oil.
	Sesame seed.	Cottonseed oil.	Cottonseed oil.	Cottonseed oil.
	Other. ¹	Marine animal oils.	Marine animal oils.	Grease. ²
Grease. ²		Grease. ²	Grease. ²	Lard, including neutral.
Grease, wool.		Grease, wool.	Grease, wool.	Lard, including neutral.
Lard, including neutral.		Lard, including neutral.	Lard, including neutral.	Linseed oil.
Linseed oil.		Linseed oil.	Linseed oil.	Marine animal oils.
Neat's-foot oil.		Neat's-foot oil.	Neat's-foot oil.	Neat's-foot oil.
Oleo oil.		Oleo oil.	Oleo oil.	Olive oil:
Olive oil:		Olive oil:	Olive oil:	Edible.
Edible.		Edible.	Edible.	Inedible.
Inedible.		Inedible.	Inedible.	Foots.
Peanut oil.		Foots.	Foots.	Palm oil.
Soybean oil.		Palm oil.	Palm oil.	Palm-kernel oil.
Stearine, animal edible.		Palm-kernel oil.	Palm-kernel oil.	Peanut oil.
Tallow:		Peanut oil.	Peanut oil.	Perilla oil.
Edible.		Perilla oil.	Perilla oil.	Rape oil.
Inedible (estimated).		Rape oil.	Rape oil.	Sesame oil.
Other.		Sesame oil.	Sesame oil.	Soybean oil.
		Soybean oil.	Soybean oil.	Stearine, animal edible.
		Stearine, animal edible.	Stearine, animal edible.	Sunflower oil.
		Sunflower oil.	Sunflower oil.	Tallow:
		Tallow:	Tallow:	Edible.
		Edible.	Edible.	Inedible.
		Inedible.	Inedible.	Tung oil.
		Tung oil.	Tung oil.	Other. ¹
		Other. ¹	Other. ¹	

¹ Includes, in appropriate columns, miscellaneous items such as babassu oil, kapok oil, oiticica oil, rape oil, humped oil, teaseed oil, mustard oil, etc.

² White, yellow, brown, bone, tankage, garbage, or house, and "all other."

TABLE 3.—Summary of production, net imports, and apparent disappearance of fats and oils, excluding lard and butter, United States, 1912, 1914, and 1916-35

[Net exports are indicated by a minus sign]

Calendar year	Domestic production			Net exports or net imports of oil	Changes in stocks ¹	Apparent disappearance
	From domestic materials	From imported materials	Total			
	Million pounds	Million pounds	Million pounds			
1912.....	2,492	208	2,699	-188	-----	2,511
1914.....	2,890	300	3,190	-3	-----	3,187
1916.....	2,664	457	3,121	165	-----	3,285
1917.....	2,445	531	2,976	554	² +35	3,495
1918.....	2,481	529	3,010	748	³ -35	3,793
1919.....	2,709	473	3,182	369	³ +87	3,465
1920.....	2,346	538	2,884	281	+103	3,062
1921.....	2,667	428	3,095	-23	-120	3,192
1922.....	2,425	536	2,961	357	-210	3,529
1923.....	2,543	760	3,303	424	+31	3,697
1924.....	2,850	670	3,520	352	+37	3,835
1925.....	3,398	472	3,871	520	+8	4,382
1926.....	3,577	645	4,221	608	+307	4,522
1927.....	3,538	795	4,333	619	+270	4,682
1928.....	3,252	693	3,945	710	-178	4,833
1929.....	3,354	880	4,234	1,052	+173	5,113
1930.....	3,307	693	4,000	920	+159	4,761
1931.....	3,197	587	3,784	816	+117	4,482
1932.....	3,116	456	3,572	601	+156	4,017
1933.....	3,070	629	3,700	841	+327	4,214
1934.....	3,065	618	3,673	751	-332	4,757
1935, ³	2,674	827	3,501	1,706	-94	5,300

¹ Stocks of marine mammal oils in bonded warehouses have been deducted (see table 100).

² Includes only cottonseed oil.

³ Preliminary.

Computed from individual commodity tables. Also see tables 4, 5, 6, 7 and 9. Items have been rounded to million pounds without adjustment to totals.

TABLE 4.—Production of animal and vegetable fats and oils from domestic and imported materials, United States, specified years and averages 1860-1914, annual 1912, 1914, and 1916-35

Year ¹	Domestic oil production								Per capita ⁴
	Animal ²		Vegetable from domestic and imported materials	Animal and vegetable					
	Including butter and lard	Excluding butter and lard		From domestic materials		From imported materials ³	Total		
				Including butter and lard	Excluding butter and lard		Including butter and lard	Excluding butter and lard	
Million pounds	Million pounds	Million pounds	Million pounds	Million pounds	Million pounds	Million pounds	Million pounds	Million pounds	Pounds
1860.....	1,340	210	10	1,350	220	(⁵)	1,350	220	42.8
1870.....	1,232	285	89	1,269	322	52	1,321	374	34.2
1875.....	1,476	360	145	1,552	435	70	1,622	506	36.5
1880.....	2,209	458	225	2,406	656	27	2,433	683	48.4
1885.....	2,390	507	337	2,679	797	47	2,726	844	48.1
Average:									
1860-64.....	2,857	726	565	3,423	1,291	(⁵)	3,423	1,291	52.1
1895-99.....	3,718	829	835	4,553	1,664	(⁵)	4,553	1,664	63.1
1900-1904.....	3,986	926	1,272	5,251	2,190	7	5,258	2,198	66.3
1905-1909.....	4,210	930	1,449	5,638	2,358	20	5,659	2,379	64.7
1910-14 ⁶	3,988	705	1,900	5,673	2,390	215	5,889	2,605	61.9
1912.....	3,885	668	2,032	5,709	2,492	208	5,917	2,699	62.2
1914.....	4,084	742	2,447	6,231	2,890	300	6,531	3,190	60.7
1916.....	4,479	836	2,284	6,306	2,664	457	6,763	3,121	67.1
1917.....	3,936	731	2,245	5,649	2,445	531	6,181	2,976	60.5
1918.....	4,298	852	2,158	5,928	2,481	529	6,457	3,010	62.3
1919.....	4,555	870	2,313	6,365	2,709	473	6,868	3,182	65.4
1920.....	4,606	983	1,901	5,969	2,346	538	6,507	2,884	61.1
1921.....	4,933	1,078	2,017	6,522	2,667	428	6,951	3,095	64.2
1922.....	5,444	1,217	1,745	6,653	2,425	536	7,189	2,961	65.4
1923.....	6,045	1,276	2,027	7,312	2,543	760	8,072	3,303	72.4
1924.....	6,126	1,298	2,222	7,678	2,850	670	8,348	3,520	73.7
1925.....	5,458	1,218	2,652	7,638	3,398	472	8,111	3,871	70.6
1926.....	5,644	1,293	2,929	7,928	3,577	645	8,573	4,221	73.6
1927.....	5,716	1,284	3,049	7,970	3,538	795	8,765	4,333	74.2
1928.....	5,867	1,209	2,736	7,909	3,252	693	8,602	3,945	71.8
1929.....	6,045	1,287	2,947	8,112	3,354	880	8,992	4,234	74.0
1930.....	5,736	1,276	2,724	7,767	3,307	693	8,460	4,000	68.7
1931.....	5,830	1,248	2,536	7,779	3,197	587	8,366	3,784	67.4
1932.....	5,917	1,194	2,379	7,840	3,116	456	8,296	3,572	66.4
1933.....	6,187	1,306	2,304	7,952	3,070	629	8,581	3,700	68.2
1934.....	5,903	1,522	2,151	7,436	3,055	618	8,054	3,673	63.6
1935 ⁷	4,623	1,150	2,351	6,146	2,674	827	6,973	3,501	54.7

¹ Years represented are: Animal fats and oils, calendar years; vegetable fats and oils, from domestic materials, calendar years except as follows—Cottonseed oil, production for year beginning August, 1859-1910; linseed oil, oil equivalent of flaxseed produced the preceding year minus seed required for the year shown. From imported materials—year beginning July 1, 1859-1910; calendar years 1912-35.

² Unofficial estimates used for lard 1860-09, and for edible and inedible animal fats, 1860-1909.

³ Rough estimates based on reported factory production, supplemented by oil equivalent of imported materials for items not included in factory production. Data will not agree with table 13—imported raw materials in terms of oil.

⁴ Per capita production computed from total production including lard and butter, using July 1 population.

⁵ Not available as import figures are apparently incomplete or of uncertain classification.

⁶ 4-year average for lard and butter and 2-year average for edible and inedible animal fats.

⁷ Preliminary.

For source see individual commodity tables from which this table was compiled. Also see table 5. Items have been rounded to million pounds without adjustment to totals.

TABLE 5.—Production of fats and crude oils from domestic raw materials, United States, 1912, 1914, and 1916-35

Calendar year	Corn oil	Cottonseed oil	Linseed oil ¹	Olive oil, edible	Peanut oil	Soybean oil	Butter ²	Lard ³	Marine animal oils
	Million pounds	Million pounds	Million pounds	Million pounds	Million pounds	Million pounds	Million pounds	Million pounds	Million pounds
1912.....	73	1,435	315	.....	(*)	.....	1,692	1,628	41
1914.....	92	1,790	265	.....	1	.....	1,685	1,657	23
1916.....	110	1,492	196	.....	29	.....	1,793	1,849	31
1917.....	118	1,344	201	.....	50	.....	1,648	1,557	29
1918.....	111	1,284	139	.....	96	.....	1,464	1,983	16
1919.....	97	1,430	224	(*)	88	.....	1,646	2,039	33
1920.....	99	1,143	108	1	13	.....	1,567	2,056	60
1921.....	87	1,277	190	1	33	.....	1,741	2,114	56
1922.....	112	935	139	1	23	1	1,870	2,367	79
1923.....	111	974	174	1	5	1	1,986	2,783	85
1924.....	117	1,154	272	2	7	1	2,082	2,746	69
1925.....	104	1,511	547	1	15	3	2,017	2,223	101
1926.....	120	1,764	385	1	11	3	2,027	2,324	83
1927.....	117	1,807	315	1	11	3	2,076	2,356	83
1928.....	124	1,460	439	1	12	5	2,064	2,594	92
1929.....	134	1,584	321	1	16	11	2,159	2,598	116
1930.....	121	1,616	252	2	25	14	2,116	2,344	111
1931.....	113	1,417	364	2	14	39	2,197	2,385	65
1932.....	106	1,571	192	1	13	39	2,260	2,463	92
1933.....	129	1,400	195	2	13	27	2,312	(2,569)	133
1934.....	115	1,224	111	1	47	35	2,219	(2,163)	226
1935 ⁴	100	1,184	89	1	46	105	2,161	(1,312)	240

Calendar year	Tallow		Grease	Grease, wool	Neat's-foot oil	Oleo oil	Stearine, animal edible	Total ⁵	
	Edible	In-edible						Including butter and lard	Excluding butter and lard
1912.....	(22)	(256)	155	(5)	5	(122)	(80)	5,709	2,492
1914.....	(25)	(252)	220	(5)	5	142	(70)	6,231	2,890
1916.....	(30)	(312)	224	(5)	7	(153)	(75)	6,306	2,664
1917.....	(30)	(235)	210	(7)	8	143	(70)	5,649	2,445
1918.....	(34)	(294)	244	(7)	10	(166)	(81)	5,928	2,481
1919.....	37	(289)	258	8	8	(169)	68	6,395	2,709
1920.....	37	340	326	7	6	132	69	5,999	2,346
1921.....	41	426	323	6	7	148	71	6,522	2,667
1922.....	49	460	380	4	9	165	75	6,653	2,425
1923.....	53	495	387	7	8	159	72	7,312	2,543
1924.....	52	539	376	4	9	156	78	7,678	2,850
1925.....	60	485	341	4	9	141	74	7,638	3,398
1926.....	58	536	347	6	10	161	79	7,928	3,577
1927.....	49	561	369	8	9	128	67	7,970	3,538
1928.....	41	497	374	6	7	124	61	7,909	3,252
1929.....	44	535	387	10	6	123	60	8,112	3,354
1930.....	42	571	359	7	5	116	56	7,767	3,307
1931.....	70	587	364	9	4	94	47	7,779	3,197
1932.....	53	608	313	6	4	75	36	7,840	3,116
1933.....	58	637	328	8	5	89	39	7,952	3,070
1934.....	78	745	343	5	7	79	34	7,436	3,055
1935 ⁴	74	442	259	10	6	75	42	6,146	2,674

¹ Oil equivalent of flaxseed produced the preceding year minus seed requirement for the year shown

² Total factory and farm production.

³ Lard and neutral lard produced under Federal inspection and other production.

⁴ Less than 500,000 pounds.

⁵ Preliminary.

⁶ Includes small quantities of inedible olive oil 1919-35, and estimated production of oleo stock equivalent to exports of oleo stock (see table 93).

For source see individual commodity tables from which this table was compiled. Items have been rounded to million pounds without adjustment to totals. Figures in parenthesis are estimated.

DISAPPEARANCE

TABLE 6.—Apparent disappearance of fats and crude oils produced from domestic raw materials, United States, 1912, 1914, and 1916-35

Calendar year	Corn oil	Cotton-seed oil	Linseed oil ¹	Olive oil, edible ¹	Peanut oil ¹	Soy-bean oil ¹	Butter	Lard	Marine animal oils ¹
	Million pounds	Million pounds	Million pounds	Million pounds	Million pounds ⁽²⁾	Million pounds	Million pounds	Million pounds	Million pounds
1912	50	1,082	315				1,584	1,070	41
1914	76	1,589	265		1		1,680	1,193	23
1916	101	1,321	196		29		1,706	1,371	31
1917	113	1,198	201		50		1,633	1,197	20
1918	111	1,218	139		96		1,443	1,375	16
1919	91	1,178	224	(²)	88		1,608	1,293	33
1920	87	911	108	1	13		1,577	1,417	66
1921	73	1,099	190	1	33		1,757	1,223	56
1922	115	966	139	1	23	1	1,884	1,568	79
1923	109	801	174	1	5	1	1,995	1,709	85
1924	115	1,053	272	2	7	1	2,053	1,748	69
1925	99	1,502	547	1	15	3	2,020	1,522	101
1926	115	1,514	385	1	11	3	2,044	1,584	83
1927	112	1,553	315	1	11	3	2,065	1,634	83
1928	121	1,507	439	1	12	5	2,063	1,702	92
1929	137	1,585	321	1	16	11	2,116	1,735	110
1930	127	1,584	252	2	25	14	2,130	1,701	111
1931	106	1,315	364	2	14	35	2,229	1,784	65
1932	107	1,240	192	1	13	39	2,260	1,898	92
1933	⁴ 123	1,295	195	2	13	27	2,217	1,866	133
1934	115	1,566	111	1	⁵ 26	³ 31	2,277	1,719	226
1935 ⁶	100	1,431	89	1	45	³ 103	2,184	1,262	240

Calendar year	Tallow		Grease	Grease, wool	Neat's-foot oil	Oleo oil	Stearine, animal edible	Total ⁸	
	Edible	In-edible						Including butter and lard	Excluding butter and lard
	Million pounds	Million pounds	Million pounds	Million pounds	Million pounds	Million pounds	Million pounds	Million pounds	Million pounds
1912	(22)	(228)	155	20	5	28	(88)	4,669	2,015
1914	(25)	(255)	220	15	5	57	(71)	5,480	2,602
1916	(30)	(309)	224	10	7	69	(62)	5,526	2,388
1917	(30)	(301)	210	15	8	109	(67)	5,162	2,332
1918	(34)	(341)	244	8	10	97	(72)	5,204	2,386
1919	37	(262)	258	8	8	94	50	5,231	2,330
1920	38	311	289	11	5	56	54	4,945	1,951
1921	41	309	333	8	8	25	41	5,287	2,307
1922	49	464	342	18	7	55	64	5,765	2,322
1923	51	466	310	17	7	62	63	5,947	2,243
1924	51	516	313	16	7	51	72	6,345	2,544
1925	50	479	200	15	8	55	69	6,752	3,201
1926	58	507	266	17	8	59	74	6,720	3,101
1927	49	574	285	19	7	59	64	6,833	3,134
1928	41	519	324	17	5	56	60	7,024	3,199
1929	44	515	301	19	4	59	58	7,039	3,187
1930	41	525	284	16	4	48	54	6,919	3,088
1931	66	566	278	11	3	62	40	6,941	2,928
1932	51	586	277	9	3	31	30	6,827	2,670
1933	52	567	235	11	3	51	33	6,824	2,740
1934	68	717	304	15	4	62	32	7,276	3,279
1935 ⁶	68	718	254	15	6	68	47	6,632	3,185

¹ United States factory production from domestic raw materials or (in the case of linseed) oil equivalent of domestic raw material available for crushing, unless otherwise stated.

² Less than 500,000 pounds.

³ Total disappearance, being less than United States factory production, is used instead of United States factory production.

⁴ Although 1933 shows a net import of 8,000,000 pounds, apparent disappearance is less than United States factory production. Therefore for this table, disappearance is assumed to be from domestic materials, although some imported oil was probably consumed.

⁵ Preliminary.

⁶ Includes small quantities of inedible olive oil, 1919-35.

For source see individual commodity tables from which this table was compiled. Items have been rounded to million pounds without adjustment to totals. Figures in parenthesis are estimates.

TABLE 7.—*Apparent disappearance of fats and oils, mainly imported or produced from imported materials, United States, 1912, 1914, and 1916–35*

Calendar year	Corn oil ¹	Castor oil	Coconut oil	Hempseed oil	Kopok oil	Linseed oil ¹	Mustard oil	Olive oil			Palm oil	Palm-kernel oil	Peanut oil, crude ¹
								Edible	Inedible ¹	Foots			
1912.....	Mil. lb. 22	Mil. lb. 86	Mil. lb. 145	Mil. lb. 245	Mil. lb. 330	Mil. lb. 270	Mil. lb. 231	Mil. lb. 43	Mil. lb. 6	Mil. lb. 16	Mil. lb. 53	Mil. lb. 28	Mil. lb. 8
1914.....	21	95	245	330	270	234	2	51	6	13	49	21	7
1916.....	25	164	330	270	231	234	2	55	6	14	29	4	16
1917.....	26	390	270	234	231	234	2	51	4	8	34	(?)	27
1918.....	22	626	231	384	330	384	1	1	(2)	(2)	21	8	68
1919.....	28	370	234	384	330	384	1	67	2	6	42	4	150
1920.....	24	341	384	330	330	384	1	31	(2)	9	45	5	84
1921.....	23	301	330	330	330	330	1	50	4	15	23	4	13
1922.....	31	382	501	503	501	501	1	60	15	11	46	1	18
1923.....	39	439	503	435	503	503	1	80	(4)	38	124	3	8
1924.....	38	409	435	179	435	435	1	78	7	24	95	4	3
1925.....	44	428	179	329	179	179	1	87	10	38	133	45	3
1926.....	46	445	329	441	329	329	1	82	9	43	136	84	8
1927.....	51	534	441	346	441	441	1	74	8	41	133	29	1
1928.....	63	569	346	467	346	346	1	84	8	40	185	51	5
1929.....	69	657	467	(?)	467	467	(?)	04	10	43	228	72	2
1930.....	53	655	(?)	(?)	292	292	(?)	91	7	43	245	45	0
1931.....	46	587	0	114	587	587	1	75	12	56	261	45	8
1932.....	38	564	(?)	166	564	564	(?)	74	12	41	223	18	2
1933.....	44	574	(?)	185	574	574	1	70	11	43	257	15	2
1934.....	18	44	697	(2)	3	308	(2)	61	11	31	184	24	0
1935 ²	32	51	630	17	2	381	(2)	70	19	32	304	55	78

Calendar year	Perilla oil	Rapa oil	Sesame oil	Soybean oil ¹	Sunflower oil	Teaseed oil	Tung oil	Vegetable tallow	Marine animal oils ¹	Total
1912.....		10	1	25			43		11	496
1914.....	(?)	11	1	13			30		22	584
1916.....	(?)	20	(?)	143			58		33	897
1917.....	1	10	2	261			41		39	1,163
1918.....	1	23	2	335			42		25	1,407
1919.....	5	8	5	150			51		11	1,135
1920.....	8	15	1	103			59		2	1,112
1921.....	1	9	(?)	35			38		39	885
1922.....	2	11	(?)	20			68		41	1,207
1923.....	6	15	15	36			82	7	58	1,454
1924.....	3	17	14	13			78	6	66	1,291
1925.....	6	14	6	18			87	7	74	1,181
1926.....	7	19	10	23			92	3	83	1,421
1927.....	5	18	3	10			85	6	108	1,548
1928.....	2	19	11	6			95	5	146	1,634
1929.....	6	17	30	2		(?)	110	10	107	1,926
1930.....	9	16	33	3	(?)	(?)	100	10	71	1,673
1931.....	12	12	53	0	28	1	91	(9)	152	1,554
1932.....	12	9	14	0	10	1	75	(6)	98	1,347
1933.....	27	11	14	5	22	1	104	(6)	88	1,474
1934.....	25	10	10	0	25	2	120	(2)	2	1,478
1935 ²	64	68	57	0	37	7	133	(2)	80	2,115

¹ These figures should not be confused with imports. They are merely the apparent disappearance shown on the commodity table minus United States factory production, or oil equivalent of domestic raw material available for crushing, except in cases where disappearance is less than domestic production causing a net export or an increase in stocks; in such cases a zero is shown even though not quite accurate.

² Less than 500,000 pounds.

³ "Olive oil foots" included with inedible olive oil, October-December.

⁴ Inedible olive oil included with "foot's".

⁵ Preliminary.

⁶ Not separately reported.

For source see individual commodity tables from which this table was compiled. Items have been rounded to million pounds without adjustment to totals.

TABLE 8.—*Apparent disappearance per capita of specified fats and oils, United States, 1912-35*

Calendar year	Total technical, industrial, and food			Butter	Oleo- mar- garine	Lard	Com- pounds	Total butter, oleo- mar- garine, lard, and com- pounds
	Total ¹	From domes- tic mate- rials	From im- ported mate- rials					
	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds	Pounds
1912.....	54.3	49.1	5.2	16.7	1.5	11.2	8.5	37.9
1913.....				16.6	1.6	11.4	9.6	39.2
1914.....	61.9	56.0	6.0	17.2	1.4	12.2	11.0	41.8
1915.....				17.4	1.4	12.9	10.2	41.9
1916.....	63.7	54.8	8.9	17.5	1.8	13.6	9.7	42.6
1917.....	61.9	50.5	11.4	16.0	2.8	11.7	11.0	41.5
1918.....	63.8	50.2	13.6	13.9	3.3	13.3	10.6	41.1
1919.....	60.6	49.8	10.8	15.3	3.4	12.3	11.7	42.7
1920.....	56.8	46.4	10.4	14.8	3.4	13.3	6.7	38.2
1921.....	57.0	48.9	8.2	16.2	2.0	11.3	7.1	36.6
1922.....	63.4	52.5	11.0	17.1	1.7	14.2	6.7	39.7
1923.....	66.4	53.4	13.0	17.9	2.0	15.3	6.6	41.8
1924.....	67.5	56.1	11.4	18.1	2.0	15.4	7.1	42.6
1925.....	69.1	58.8	10.3	17.7	2.0	13.3	9.8	42.8
1926.....	69.9	57.7	12.2	17.5	2.1	13.6	9.6	42.8
1927.....	70.9	57.8	13.1	17.5	2.3	13.8	9.8	43.4
1928.....	72.2	58.6	13.6	17.2	2.6	14.7	9.4	43.9
1929.....	73.8	58.0	15.8	17.4	2.9	14.3	9.9	44.5
1930.....	69.8	56.2	13.6	17.3	2.6	13.8	9.8	43.5
1931.....	68.5	56.0	12.5	18.0	1.9	14.4	9.4	43.7
1932.....	65.4	54.6	10.8	18.1	1.6	15.2	7.5	42.4
1933.....	66.0	54.3	11.7	17.6	1.9	14.8	7.6	41.9
1934.....	69.1	57.4	11.7	18.0	2.1	13.6	9.1	42.8
1935 ²	68.6	52.0	16.6	17.2	3.0	9.2	12.2	41.6

¹ Total of individual primary fats and oils shown in the bulletin, including butter and lard shown separately.

² Preliminary.

Apparent disappearance is computed from factory production plus or minus net trade and corrected for changes in stocks where available. Per capita based on July 1 population.

TRADE

TABLE 9.—Imports and exports of primary fats and oils, United States, 1912-35

[Net exports are indicated by a minus sign]

Calendar year	Imports				Exports				Reexports				Net imports or net exports			
	Animal	Vegetable		Total	Animal	Vegetable		Total	Animal	Vegetable		Total	Animal	Vegetable		Total
		Oil	Oil equivalent of raw material			Oil	Oil equivalent of raw material			Oil	Oil equivalent of raw material			Oil	Oil equivalent of raw material	
Million pounds	Million pounds	Million pounds	Million pounds	Million pounds	Million pounds	Million pounds	Million pounds	Million pounds	Million pounds	Million pounds	Million pounds	Million pounds	Million pounds	Million pounds	Million pounds	
1912.....	46	284	207	537	699	382	7	1,087	(1)	1	0	1	-652	-99	200	-552
1913.....	46	301	160	507	727	294	9	1,031	(1)	1	(1)	1	-681	6	151	-524
1914.....	58	282	231	570	570	235	2	807	(1)	1	(1)	2	-513	46	228	-238
1915.....	38	252	361	652	666	379	(1)	1,046	(1)	1	1	3	-628	-128	359	-397
1915.....	52	434	372	858	603	204	(1)	807	(1)	3	(1)	4	-551	227	372	47
1917.....	128	625	431	1,183	448	141	(1)	580	(1)	7	2	9	-326	477	428	585
1918.....	86	879	538	1,503	676	125	1	801	(1)	3	(1)	3	-590	752	537	698
1919.....	44	870	462	1,376	969	361	1	1,331	(1)	30	13	43	-925	479	448	2
1920.....	74	642	634	1,350	780	273	1	1,054	(1)	10	1	11	-706	360	631	-286
1921.....	47	400	376	824	1,090	272	(1)	1,362	(1)	5	2	8	-1,044	124	374	-546
1922.....	74	632	490	1,195	1,043	103	1	1,147	(1)	7	1	8	-969	521	438	40
1923.....	100	651	714	1,466	1,301	77	-----	1,378	-----	10	2	13	-1,201	565	712	76
1924.....	104	592	547	1,243	1,234	72	-----	1,305	-----	17	2	20	-1,131	504	545	-82
1925.....	106	735	592	1,432	940	89	-----	1,029	(1)	12	2	14	-835	633	589	388
1926.....	129	765	758	1,652	943	63	-----	1,007	-----	13	3	16	-815	689	756	629
1927.....	169	761	743	1,672	912	98	-----	1,010	(1)	17	3	20	-743	646	740	642
1928.....	157	804	705	1,666	951	87	-----	1,037	(1)	17	3	21	-794	700	702	608
1929.....	171	1,107	890	2,169	1,020	67	-----	1,087	(1)	11	3	14	-849	1,030	887	1,068
1930.....	140	1,003	685	1,827	822	61	-----	884	(1)	17	4	22	-683	924	680	922
1931.....	154	878	679	1,710	750	49	-----	799	(1)	22	17	39	-596	807	662	872
1932.....	101	716	489	1,306	701	85	-----	786	(1)	12	6	18	-600	620	483	502
1933.....	102	951	746	1,799	751	66	-----	817	(1)	12	6	18	-649	873	741	964
1934.....	110	789	572	1,471	566	45	-----	611	-----	-----	-----	-----	-456	744	572	860
1935 ¹	364	1,421	759	2,543	155	23	-----	178	-----	-----	-----	-----	209	1,398	759	2,366

¹ Less than 500,000 pounds.

² Preliminary.

For sources see individual commodity tables from which this table has been compiled. Also see tables 11, 12, 13, 14, 15, and 16. Items have been rounded to million pounds without adjustment to totals.

TABLE 10.—Net exports or net imports of fats and oils, United States, 1859-60 to 1910-11

[Net exports are indicated by a minus sign]

Year beginning July—	Net exports or net imports of fats and oils			Year beginning July—	Net exports or net imports of fats and oils		
	Animal	Vegetable (including oil equivalent of raw material)	Total		Animal	Vegetable (including oil equivalent of raw material)	Total
	Million lb.	Million lb.	Million lb.		Million lb.	Million lb.	Million lb.
1859-60	-55	6	-49	1885-86	-377	-3	-380
1860-61	-78	2	-76	1886-87	-454	(¹)	-454
1861-62	-165	2	-163	1887-88	-438	23	-415
1862-63	-218	1	-217	1888-89	-448	60	-382
1863-64	-153	1	-152	1889-90	-690	-31	-721
1864-65	-75	1	-74	1890-91	-714	-38	-752
1865-66	-49	4	-45	1891-92	-659	-135	-794
1866-67	-69	2	-67	1892-93	-543	-62	-605
1867-68	-88	1	-87	1893-94	-634	-110	-744
1868-69	-59	3	-56	1894-95	-587	-38	-625
1869-70	-74	57	-17	1895-96	-690	-98	-788
1870-71	-127	88	-39	1896-97	-794	-254	-1,048
1871-72	-287	56	-231	1897-98	-942	-289	-1,231
1872-73	-315	57	-258	1898-99	-991	-415	-1,406
1873-74	-316	58	-258	1899-1900	-911	-395	-1,306
1874-75	-242	75	-167	1900-1	-877	-380	-1,257
1875-76	-261	56	-205	1901-2	-738	-281	-1,019
1876-77	-356	23	-333	1902-3	-649	-271	-920
1877-78	-462	-6	-468	1903-4	-818	-155	-973
1878-79	-500	-13	-513	1904-5	-839	-296	-1,135
1879-80	-549	-10	-559	1905-6	-1,071	-327	-1,398
1880-81	-522	3	-519	1906-7	-954	-315	-1,269
1881-82	-332	25	-307	1907-8	-909	-261	-1,170
1882-83	-313	23	-290	1908-9	-756	-216	-972
1883-84	-385	43	-342	1909-10	-614	155	-459
1884-85	-396	25	-371	1910-11	-664	259	-405

¹ Less than 500,000 pounds.

For source see individual commodity tables from which this table is compiled. Items have been rounded to million pounds without adjustments to totals.

TABLE 11.—Imports of animal fats and oils, United States, 1912-35

Calendar year	Butter	Grease, wool ¹	Marine animal oils ²	Oleo oil ³	Stearine, animal ³	Tallow, inedible ³	Lard ⁴	Total
	Million pounds	Million pounds	Million pounds	Million pounds	Million pounds	Million pounds	Million pounds	Million pounds
1912	1	16	21	—	9	1	(⁵)	46
1913	4	17	17	—	7	1	(⁵)	46
1914	7	10	23	—	5	13	—	58
1915	2	11	20	—	2	4	—	38
1916	1	4	34	—	1	13	—	52
1917	1	8	40	—	6	74	—	128
1918	2	1	30	—	2	52	—	86
1919	10	(⁵)	19	—	2	12	—	44
1920	37	4	17	—	1	15	—	74
1921	19	3	24	—	—	2	—	47
1922	7	14	51	—	(⁵)	—	(⁵)	74
1923	24	9	56	(⁵)	(⁵)	11	(⁵)	100
1924	19	13	69	—	1	2	(⁵)	104
1925	7	10	86	(⁵)	1	2	(⁵)	106
1926	8	12	93	(⁵)	2	14	(⁵)	129
1927	8	11	133	1	2	13	(⁵)	169
1928	5	11	125	1	2	14	(⁵)	157
1929	3	11	139	(⁵)	2	17	(⁵)	171
1930	2	8	127	(⁵)	1	1	(⁵)	140
1931	2	6	144	(⁵)	2	1	(⁵)	154
1932	1	4	95	(⁵)	1	1	(⁵)	101
1933	1	4	96	(⁵)	(⁵)	(⁵)	(⁵)	102
1934 ³	1	5	59	0	2	43	(⁵)	110
1935 ³	23	6	79	2	9	246	(⁵)	304

¹ Imports for consumption, 1912-23; general imports, 1924-33.² Imports for consumption. Includes marine mammal, fish and fish-liver.³ Imports for consumption.⁴ Imports, 1914-21, included with lard compounds.⁵ Less than 500,000 pounds.

Compiled from Foreign Commerce and Navigation of the United States, and Monthly Summary of Foreign Commerce. Items have been rounded to million pounds without adjustment to totals.

TABLE 12.—Imports of vegetable fats and oils, United States, 1912-35

Calendar year	Castor oil ¹	Coco-nut oil	Corn oil	Cot-ton-seed oil ²	Lin-seed oil	Olive oil			Palm oil	Palm-kernel oil	Pea-nut oil	Perilla oil ¹	Rape oil	Ses-ame oil ¹	Soy-bean oil	Sun-flower oil ¹	Tea-seed oil	Tung oil	Vege-table tallow ¹	Total
						Edible	In-edible	Foots												
	Mil-lion lb.	Mil-lion lb.	Mil-lion lb.	Mil-lion lb.	Mil-lion lb.	Mil-lion lb.	Mil-lion lb.	Mil-lion lb.	Mil-lion lb.	Mil-lion lb.	Mil-lion lb.	Mil-lion lb.	Mil-lion lb.	Mil-lion lb.	Mil-lion lb.	Mil-lion lb.	Mil-lion lb.	Mil-lion lb.	Mil-lion lb.	Mil-lion lb.
1912	(3)	47		2	2	43	6	16	53	28	8		10	1	25			43		284
1913	(3)	72		11	1	39	4	10	54	28	11	(3)	11	2	14			30		301
1914	2	58		16	4	51	6	13	49	21	7		11	1	13			43		282
1915	(3)	63		12	1	48	5	11	34	5	6	(3)	12	(3)	21			58		252
1916	3	64		17	1	55	6	14	29	4	16	(3)	20	(3)	145			34		434
1917	4	163		14	1	51	4	8	34	(3)	27		10	(3)	265			41		625
1918	9	356		18	(3)	1	(3)	(3)	21	(3)	68		23	2	336			43		879
1919	3	281		28		16	2	7	42	2	154	5	8	5	196			54		870
1920	1	216		9	35	31	(3)	9	42	2	95	8	13	1	112			27		642
1921	(3)	190		1	60	50	4	15	23	2	3	1	7	(3)	17			29		400
1922	1	227		(3)	144	61	* 16	* 11	58	2	2	2	11	(3)	17			82		632
1923	1	182		(3)	43	77	(3)	* 41	128	13	8	6	16	9	42			87	9	651
1924	(3)	225		(3)	13	76	7	25	102	5	15	3	17	8	9			5	5	592
1925	(3)	233		(3)	14	90	11	41	139	53	3	6	13	4	19			102	6	735
1926	(3)	245		7	15	79	10	40	131	75	8	7	21	9	31			83	4	765
1927	(3)	293		(3)	1	75	7	42	160	43	3	5	19	2	15			90	6	761
1928	1	291		(3)	(3)	83	9	* 0	169	54	5	2	17	6	13			109	5	804
1929	(3)	412		(3)	10	97	10	46	262	70	3	6	19	22	19			120	12	1,107
1930	(3)	318		(3)	2	93	7	63	287	39	16	9	16	11	8	(3)		126	7	1,003
1931	(3)	325		(3)	(3)	70	12	37	258	23	15	13	11	(3)	5			79		878
1932	1	249		(3)	(3)	74	12	46	217	2	1	17	7	(3)				(3)	(3)	716
1933	1	316	9		11	72	13	40	287	13	1	23	12	(3)	4			119	1	951
1934	(3)	315	11	* 9	3	56	10	36	156	13	3	25	12	(3)	3			110	2	789
1935	(3)	353	26	167	2	71	20	34	297	59	81	72	(20)	1	14			120	(3)	1,421

¹ Imports for consumption.

² 1912-25 general imports, beginning 1926, imports for consumption.

³ Less than 500,000 pounds.

⁴ Oct. 1-Dec. 31.

⁵ Foots included with inedible, October-December.

⁶ Inedible included with foots.

⁷ Not separately reported.

⁸ July-December, none reported first 6 months.

⁹ Estimate based on imports going into bonded warehouses.

Compiled from Foreign Commerce and Navigation of the United States, and Monthly Summary of Foreign Commerce. Items have been rounded to million pounds without adjustment to totals. Hempseed oil is included in the tabulation on thousand-pound basis but is less than 500,000 pounds in all years.

TABLE 13.—Imports of raw materials (in terms of oil), United States, 1912-35

Calendar year	Oil equivalent of raw materials											Total
	Cas- tor beans	Copra	Cot- ton- seed ¹	Flax- seed	Hemp- seed	Kapok seed	Palm ker- nels	Per- illa seed	Rape- seed	Sesa- me seed	Must- ard seed	
	Mil. lb.	Mil. lb.	Mil. lb.	Mil. lb.	Mil. lb.	Mil. lb.	Mil. lb.	Mil. lb.	Mil. lb.	Mil. lb.	Mil. lb.	
1912	22	39	(?)	145								207
1913	18	19	1	122								160
1914	19	38	2	171								231
1915	18	68	3	272								361
1916	22	100	8	242								372
1917	22	231	4	174								431
1918	13	271	6	240			8					538
1919	25	163	10	259			3				2	462
1920	26	136	11	455			4					634
1921	15	119	12	228			(?)				1	376
1922	34	169	9	276			(2 3)	(4)		(2 4)	1	490
1923	37	210	10	450			(?)			6	1	714
1924	36	183	14	307			(?)			6	1	547
1925	45	229	10	305			(?)			2	1	602
1926	42	288	9	417			(?)			1	1	738
1927	52	284	2	403			(?)			1	1	743
1928	59	316	(?)	325			(?)			4	1	705
1929	74	300	(?)	448			(?)			8	(?)	890
1930	43	375	(?)	234		(2 1)				25	(?)	685
1931	43	289		288			16	(6)		63	1	679
1932	35	286		146			(?)	13		9	(?)	480
1933	48	416	(?)	255			(?)	7	(?)		1	746
1934 ¹	39	252		262	1	(2)	3	4	1	10	(?)	572
1935 ¹	32	286	(?)	325	17	2	23		1	7	(?)	759

¹ Imports for consumption.² Less than 500,000 pounds.³ Imports for consumption, 1922-31.⁴ Imports of perilla seed included with sesame seed, 1922-30.⁵ Not reported prior to June 18, 1930.⁶ No imports of perilla seed reported.⁷ Estimate of amount crushed.

Compiled from Foreign Commerce and Navigation of the United States, and Monthly Summary of Foreign Commerce. Items have been rounded to million pounds without adjustment to totals.

TABLE 14.—Exports of animal fats and oils, United States, 1912-35

Calendar year	But- ter, in- clud- ing ship- ments	Lard and lard neu- tral, in- clud- ing ship- ments	Grease	Mar- ine ani- mal oils	Oleo oil	Neat's foot oil	Tallow		Stea- rine, ani- mal	Oleo stock	Total
							Edi- ble	Inedi- ble			
							Mil- lion lb.	Mil- lion lb.			
1912	8	556		9	94		(1)	29	2		690
1913	6	580		9	101		(1)	28	4		727
1914	6	464		1	85		(1)	10	3		570
1915	21	492		1	109		(1)	27	17		695
1916	30	460		1	84		(1)	15	13		633
1917	11	386		1	33		(1)	8	8		438
1918	29	558		4	69		(1)	4	11		676
1919	38	788		8	76		(1)	39	21		960
1920	21	642		3	74		(1)	21	18		780
1921	12	903		1	128		(1)	14	33		1,050
1922	15	797	57	6	109	1	2	29	11	16	1,043
1923	10	1,074	61	2	99	1	1	34	9	10	1,301
1924	12	986	80	1	90	2	1	33	7	14	1,234
1925	9	719	81	1	92	1	(1)	18	7	12	940
1926	9	733	73	1	97	1	(1)	11	7	12	943
1927	8	717	82	1	77	2	(1)	7	6	12	912
1928	7	801	63	1	63	1	(1)	3	4	7	951
1929	7	806	60	1	68	1	(1)	4	4	8	1,020
1930	7	674	64	1	56	1	(1)	6	5	8	822
1931	7	601	75	2	47	1	3	(?)	7	7	750
1932	6	576	57	1	42	1	3		8	7	701
1933	7	612	70	6	34	1	7		6	9	751
1934	7	458	56	6	21	1	7		4	6	596
1935 ³	6	115	15	3	9	1	1		1	3	155

¹ Edible tallow included with inedible tallow.² Inedible tallow included with grease, beginning 1931.³ Preliminary.

For source see individual commodity tables from which this table has been compiled. Items have been rounded to million pounds without adjustment to totals.

TABLE 15.—Exports of vegetable fats and oils and oil equivalent of raw materials United States, 1912-35

Calendar year	Vegetable fats and oils								Oil equivalent of raw material		
	Coco- nut oil	Corn oil	Cot- ton- seed oil	Lin- seed oil	Pea- nut oil	Soy- bean oil	Cas- tor oil	Total	Cot- ton- seed	Flax- seed	Total
	Mil- lion lb.	Mil- lion lb.	Mil- lion lb.	Mil- lion lb.	Mil- lion lb.	Mil- lion lb.	Mil- lion lb.	Mil- lion lb.	Mil- lion lb.	Mil- lion lb.	Mil- lion lb.
1912		23	358	3				382	6	(1)	7
1913		18	265	12				294	4	5	9
1914		16	216	2				235	2	(1)	2
1915		17	352	10				379	(1)	(1)	(1)
1916		9	188	6				204	(1)	(1)	(1)
1917		5	125	11				141	(1)	(1)	(1)
1918		(1)	119	6				125	(1)	(1)	1
1919		² 6	193	11	2 4		² 28	361	(1)	(1)	1
1920		25	12	185	5	1	44	273	1	(1)	1
1921		7	4	253	4	2	2	272	(1)	(1)	(1)
1922		13	6	79	3	1	2	103	³ 1	(1 3)	1
1923		17	4	51	3	(1)	1	77			
1924		18	4	45	2	(1)	2	72			
1925		18	4	65	2		1	89			
1926		16	1	42	3		2	63			
1927		20	(1)	69	3		5	98			
1928		25	(1)	52	2		7	87			
1929		30	(1)	27	2		8	67			
1930		25	1	29	2		5	61			
1931		18	1	24	1		5	49			
1932		24	1	57	1		3	85	(1)		
1933		26	1	36	1		2	66	(1)		
1934		25	1	15	1		2	45	(1)		
1935 ⁴		12	1	4	1		4	23	(1)		

¹ Less than 500,000 pounds.

² Not separately reported prior to July 1919.

³ Not separately reported after this date.

⁴ Preliminary.

For source see individual commodity tables from which this table has been compiled. Items have been rounded to million pounds without adjustment to totals.

TABLE 16.—Reexports of animal and vegetable fats and oils and oil equivalent of raw materials, United States, 1912-33

Calendar year	Animal	Vegetable						Oil equivalent of raw materials		
	But- ter	Coco- nut oil	Palm oil	Pea- nut oil	Soy- bean oil	Tung oil	Total	Copra	Flax- seed	Total
	Mil- lion lb.	Mil- lion lb.	Mil- lion lb.	Mil- lion lb.	Mil- lion lb.	Mil- lion lb.	Mil- lion lb.	Mil- lion lb.	Mil- lion lb.	Mil- lion lb.
1912	(1)	(1)	(1)	(1)	(1)	(1)	1	(1)		(1)
1913	(1)	(1)	(1)	(1)	(1)	(1)	1	(1)	(1)	(1)
1914	(1)	1	(1)	(1)	(1)	(1)	1	(1)	(1)	(1)
1915	(1)	1	(1)	(1)	(1)	(1)	1	(1)	1	1
1916	(1)	(1)	(1)	(1)	2	(1)	3	(1)	(1)	(1)
1917	(1)	2	(1)	(1)	4	(1)	7	2		2
1918	(1)	1	(1)	(1)	1		3	(1)	(1)	(1)
1919	(1)	8	(1)	(1)	18	2	30	13	(1)	13
1920	(1)	3	(1)	(1)	3		10	1	(1)	1
1921	1	3	(1)	(1)	1		5	2	(1)	1
1922	(1)	3		(1)	(1)		3	7		2
1923	1	4	2	(1)	(1)		3	10	2	2
1924	1	3	2		10	(1)	2	17	2	2
1925	(1)	2	4	2		2	3	12	2	2
1926	1	4	3	(1)	1		6	13	3	3
1927	(1)	6	4	1	1		5	17	3	3
1928	(1)	7	3	(1)	1		6	17	3	3
1929	(1)	1	3	(1)	(1)		6	11	3	3
1930	(1)	2	1		8	1	6	17	4	4
1931	(1)	1	2	13	1		5	22	17	17
1932	(1)	4	3	2	(1)		3	12	6	6
1933	(1)	3	5	(1)			4	12	6	6

¹ Less than 500,000 pounds.

² Includes palm-kernel oil, beginning 1922.

For source see individual commodity tables from which this table has been compiled. Items have been rounded to million pounds without adjustment to totals.

TABLE 17.—Imports of vegetable oils, United States, 1909-10 to 1935-36

Year beginning July—	Castor oil	Coconut oil	Cotton-seed oil ¹	Linseed oil	Olive oil	Palm oil	Palm-kernel oil	Peanut oil	Perilla oil ²	Rape-seed oil	Soybean oil	Tung oil
	1,000 lb.	1,000 lb.	1,000 lb.	1,000 lb.	1,000 lb.	1,000 lb.	1,000 lb.	1,000 lb.	1,000 lb.	1,000 lb.	1,000 lb.	1,000 lb.
1909-10	59	48,346	(³)	(³)	34,089	92,772	(⁴)	(⁴)	-----	⁵ 8,122	(³)	⁶ 43,200
1910-11	57	51,118	(³)	(³)	37,382	57,100	(⁴)	(⁴)	-----	⁵ 10,222	(³)	⁶ 52,815
1911-12	56	46,371	1,513	5,529	41,044	47,159	25,393	6,717	-----	8,872	28,021	35,757
1912-13	42	50,504	3,384	1,303	43,803	50,229	23,569	8,968	-----	11,623	12,340	44,975
1913-14	1,513	74,386	17,293	1,442	52,361	58,040	34,328	10,029	-----	10,982	16,360	36,993
1914-15	504	63,135	15,162	4,015	55,230	31,486	4,906	6,397	69	11,240	19,207	37,052
1915-16	2,025	66,008	17,181	376	60,820	40,497	6,761	11,063	66	19,209	98,120	37,262
1916-17	2,590	79,223	13,703	831	61,381	36,074	1,857	22,696	443	8,137	162,690	51,481
1917-18	9,401	259,195	14,291	381	19,889	27,405	19	62,166	1,016	22,923	336,825	36,118
1918-19	3,778	344,728	20,410	7,424	32,983	19,281	1,945	85,445	-----	15,683	236,805	46,625
1919-20	2,171	271,540	24,165	34,128	52,716	50,165	54	165,483	-----	9,221	195,774	79,602
1920-21	792	173,889	1,315	14,974	35,288	31,076	2,769	18,163	-----	8,789	49,331	33,300
1921-22	366	230,236	(⁷)	168,705	83,337	39,159	-----	2,878	-----	10,139	8,283	55,572
1922-23	1,398	212,573	45	56,764	117,262	118,816	-----	7,553	-----	13,274	38,635	89,392
1923-24	271	181,230	(⁷)	17,840	113,409	86,784	1,126	15,061	-----	15,513	17,631	80,898
1924-25	308	250,121	0	23,587	118,071	114,387	37,364	3,510	-----	14,691	20,434	94,695
1925-26	494	200,878	283	16,733	137,757	152,254	85,074	3,372	-----	15,658	17,401	84,861
1926-27	164	286,776	6,396	1,331	134,729	110,184	14,760	7,959	-----	20,480	23,553	102,428
1927-28	934	273,309	1	346	118,093	183,977	56,021	4,859	2,289	19,530	14,562	83,628
1928-29	130	377,288	(⁷)	6,677	147,794	228,230	80,514	3,406	5,791	19,071	17,172	115,240
1929-30	122	370,600	2	5,416	158,618	237,860	41,880	1,964	9,204	16,137	13,333	130,942
1930-31	125	315,942	1	256	126,202	313,940	17,197	21,163	9,652	14,479	5,915	99,402
1931-32	764	297,083	0	28	137,556	221,155	9,313	9,320	12,436	8,641	3,085	81,346
1932-33	1,130	260,700	0	36	125,159	253,638	6,000	1,209	21,373	7,676	1	83,858
1933-34 ¹	794	353,105	0	10,680	103,948	248,456	16,384	1,218	32,898	13,035	2,512	122,117
1934-35	434	300,749	113,354	3,086	115,153	193,412	32,932	59,928	42,002	35,738	11,344	112,372
1935-36 ²	147	348,561	145,910	1,161	104,788	326,719	35,395	66,049	113,766	74,310	11,284	149,893

¹ Imports for consumption, beginning January 1934.² Not separately reported prior to 1914-15; 1914-15 to 1917-18 and 1927-28 are imports for consumption; 1918-19 to 1926-27 not available; 1928-29 to 1932-33 are general imports.³ Included in all other fixed or expressed.⁴ Included in tung oil.⁵ Includes hempseed oil.⁶ Includes peanut oil.⁷ Less than 500 pounds.⁸ Preliminary.

Compiled as follows: 1910-18, Foreign Commerce and Navigation of the United States. 1919-35, Monthly Statistical Summary of Foreign Commerce of the United States, June issues.

TABLE 18.—*Combined or derived fats and oils: Imports, exports, and net exports, United States, 1912-35*

Calendar year	Imports for consumption	Exports	Net exports	Calendar year	Imports for consumption	Exports	Net exports
	Million pounds	Million pounds	Million pounds		Million pounds	Million pounds	Million pounds
1912.....		77	77	1924.....	(1)	28	28
1913.....	(1)	67	67	1925.....	1	36	35
1914.....	1	66	65	1926.....	2	36	34
1915.....	(1)	71	70	1927.....	1	33	32
1916.....	(1)	56	56	1928.....	2	29	27
1917.....	(1)	53	52	1929.....	8	25	17
1918.....	1	53	52	1930.....	8	32	24
1919.....	4	148	144	1931.....	7	37	30
1920.....	(1)	49	49	1932.....	7	25	18
1921.....	(1)	52	52	1933.....	6	24	18
1922.....	(1)	59	59	1934.....	3	24	21
1923.....	(1)	32	32	1935 ¹	28	18	4 10

¹ Less than 500,000 pounds.

² Preliminary.

³ Includes 12,654,000 pounds of vegetable oil fatty acids.

⁴ Net imports.

Compiled from Foreign Commerce and Navigation of the United States, and December issues of Monthly Summary of Foreign Commerce of the United States.

Items included (Stearic acid was the only item of importance prior to 1935): Imports for consumption: Lard compounds, 1913-35; oleic acid or red oil, 1922-35; oleomargarine, 1929-35; stearic acid, 1919-35; fatty acids, n. s. p. f., 1932-35; vegetable oil fatty acids, 1935. Exports: Grease stearine, 1922-35; lard compounds and other substitutes for lard, 1912-21; lard compounds containing animal fats, 1922-32; beginning 1933 not separately reported; oleic acid or red oil, 1922-35; oleomargarine, 1912-35; stearic acid, 1923-35; vegetable oil lard compounds, 1922-32; beginning 1933 reported as "cooking fats other than lard"; vegetable soap stock grease, 1922-35.

STOCKS

TABLE 19.—Stocks of primary fats and oils, as of Dec. 31, 1919–35

Fat or oil	1919	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930	1931	1932	1933	1934	1935
	Million pounds	Million pounds	Million pounds	Million pounds	Million pounds	Million pounds	Million pounds	Million pounds	Million pounds	Million pounds	Million pounds	Million pounds	Million pounds	Million pounds	Million pounds	Million pounds	Million pounds
Vegetable oils, crude basis: ¹																	
Cottonseed.....	394	451	377	268	299	356	300	516	700	601	573	576	655	929	997	649	565
Coconut.....	136	114	106	121	79	66	59	100	115	117	194	182	204	136	199	189	153
Linseed.....	81	104	124	82	98	107	156	174	194	158	141	113	154	122	158	114	147
Palm.....	8	5	5	16	19	24	26	18	41	22	53	94	89	80	106	77	70
Tung.....	15	20	9	18	19	21	33	18	18	25	29	50	33	31	42	31	19
Corn.....	19	18	28	19	17	15	16	20	25	29	25	17	24	23	36	28	21
Soybean.....	69	31	11	5	9	3	2	8	6	6	16	15	19	17	14	19	31
Olive, edible.....	7	7	7	8	6	4	7	4	5	4	6	8	4	5	7	2	3
Palm-kernel.....	1	2	1	2	1	2	9		14	17	15	16	10	7	12	4	30
Peanut.....	22	31	19	3	2	4	3	2	3	3	5	13	7	4	3	27	30
Castor.....	4	5	3	4	4	4	5	6	5	8	14	8	12	12	14	12	8
Olive, foots.....	2	2	1	2	4	5	8	5	6	6	9	28	9	14	11	16	18
Rape.....	6	4	2	2	3	4	3	5	6	4	6	5	4	2	4	13	12
Olive, inedible.....				1	1	1	2	3	1	1	1	2	1	1	3	2	3
Perilla.....												1	2	6	3	4	13
Sesame.....												3	11	3	4	3	11
Sunflower.....														3	9	1	1
Vegetable tallow ²					2	2		1	1	1	2						
Total.....	764	794	693	550	564	616	630	880	1,140	1,002	1,088	1,133	1,238	1,396	1,621	1,191	1,136
Marine animal oils ³.....	48	60	44	49	46	48	58	87	96	91	118	198	239	197	159	242	214
Animal fats:																	
Butter.....	54	59	48	27	30	66	53	34	46	44	82	63	27	22	111	47	40
Tallow, inedible.....	56	79	95	63	69	61	52	84	77	67	100	141	163	186	256	326	296
Lard, including neutral.....	63	59	48	49	49	61	42	50	55	85	82	51	51	41	133	118	53
Oleo oil.....	16	17	12	12	10	15	10	16	7	13	8	20	5	6	10	6	5
Stearine, animal edible.....	9	7	5	6	6	8	6	6	6	5	5	3	5	4	4	3	6
Tallow, edible.....	6	5	5	3	4	3	4	4	4	4	3	4	5	4	4	7	12
Neats-foot oil.....	1	2	2	2	2	2	1	2	2	1	2	1	1	1	1	2	2
Total.....	205	229	214	162	170	216	168	196	196	219	282	284	257	264	519	510	413
Greases:																	
Yellow.....	6	13	9	8	11	8	10	10	8	8	12	12	12	13	17	15	15
Brown.....	3	14	13	6	10	5	5	6	12	6	14	13	21	13	17	16	15
White.....	21	8	11	8	8	7	5	6	5	9	11	9	10	9	30	12	7
Garbage (house).....	8	22	15	7	13	11	11	13	14	6	16	26	22	13	11	16	15

Bone.....	3	9	8	1	3	1	1	4	3	2	2	3	4	2	2	1	3
Tankage.....	6	18	11	5	6	4	4	5	4	3	4	6	7	5	4	3	2
Recovered.....	2	2	4	2	2	2	1	1	1	1	1	4	5	6	2	2	1
Other.....	3	4	9	2	4	2	2	3	3	2	3	2	4	3	3	4	3
Total.....	52	89	79	40	56	40	39	47	49	36	62	74	85	65	88	70	60
Wool grease.....	1	1	2	2	2	2	2	3	3	3	4	3	6	7	9	4	3
Total grease and wool.....	54	91	82	42	57	42	42	50	52	39	67	78	91	72	97	74	64
Total all groups.....	1,070	1,175	1,033	803	838	922	898	1,214	1,485	1,351	1,155	1,693	1,825	1,929	2,396	2,017	1,826
Other not specified.....	3	5	1	1	3	-----	2	4	4	2	20	7	6	2	2	5	11
Crude oil equivalent of raw materials.....	240	272	271	299	336	569	577	535	507	576	459	450	551	518	546	444	494
Other products ⁴	39	45	45	61	53	49	59	57	64	68	68	71	78	69	76	77	84
Grand total.....	1,352	1,497	1,350	1,164	1,230	1,540	1,536	1,810	2,060	1,997	2,102	2,221	2,460	2,518	3,020	2,543	2,415

¹ Refined oils have been converted to crude basis by dividing by the following factors: Cottonseed oil, corn oil, and palm-kernel oil, 0.93; coconut oil, peanut oil, and soybean oil, 0.94.

² Although data for 1919-21 are available they are considered in this compilation only when imports are reported.

³ Includes fish, fish-liver, and marine mammal oils, for computing changes in stocks in table 1, stocks of marine mammal oils in bonded warehouses have been deducted. See table 100.

⁴ Includes lard compounds and other lard substitutes, hydrogenated oils, red oil, inedible stearine, lard oil, and tallow oil.

Compiled from Bureau of the Census, Animal and Vegetable Fats and Oils, except butter and lard which are from cold storage reports, Bureau of Agricultural Economics. Items have been rounded to million pounds without adjustment to totals.

TABLE 20.—Stocks of specified groups of fats and oils, United States, Dec. 31, 1919-35

Fat or oil	1919	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930	1931	1932	1933	1934	1935
Raw materials in terms of crude oil:	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>
Cottonseed.....	191	179	186	237	222	369	425	391	304	400	333	297	423	401	389	339	257
Copra.....	11	8	14	13	11	15	16	26	32	29	29	52	32	35	75	19	50
Flaxseed.....	21	76	63	43	97	179	127	114	167	142	81	82	69	58	50	34	79
Soybean.....				(¹)	(¹)	(¹)	1	(¹)	(¹)	(¹)	4	9	18	12	16	32	87
Peanut.....	11	4	6	1	1	1	2	(¹)	1	(¹)	2	2	1	(¹)	1	6	11
Other specified ²	6	5	2	5	5	5	6	4	3	5	10	8	8	12	15	14	10
Total.....	240	272	271	299	336	569	577	535	507	576	459	450	551	518	546	444	494
Vegetable oils and raw materials, in terms of crude oil: ³																	
Cottonseed.....	585	630	563	505	521	725	725	907	1,004	1,001	906	873	1,078	1,330	1,387	989	822
Coconut.....	147	122	120	134	90	81	75	126	147	146	223	234	236	171	275	208	204
Linseed.....	102	180	187	125	195	286	283	288	361	300	222	195	223	180	208	148	226
Palm.....	8	5	5	16	19	24	26	18	41	22	53	94	89	80	106	77	70
Tung.....	15	20	9	18	19	21	33	18	18	25	29	50	33	31	42	31	19
Corn.....	19	18	28	19	17	15	16	20	25	29	25	17	24	23	36	28	21
Soybean.....	69	31	11	5	9	3	3	8	6	6	20	24	37	29	29	51	118
Olive, edible.....	7	7	7	8	6	4	7	4	5	4	6	8	4	5	7	2	3
Palm-kernel.....	1	2	1	2	1	2	9	(¹)	14	17	15	16	10	7	12	4	30
Peanut.....	33	35	25	4	3	5	5	2	4	3	7	15	8	4	4	33	41
Other specified ⁴	18	16	8	14	17	19	24	23	21	24	40	55	47	53	62	64	76
Other not specified.....	3	5	1	1	2		2	4	4	2	23	7	6	2	2	5	11
Total.....	1,007	1,071	965	849	900	1,184	1,208	1,419	1,651	1,579	1,568	1,590	1,795	1,915	2,170	1,640	1,641
Vegetable oils, refined basis:																	
Cottonseed.....	366	419	351	249	278	331	279	480	651	559	533	536	609	864	928	604	526
Coconut.....	128	107	100	114	74	62	55	94	108	110	182	171	192	128	187	178	144
Linseed.....	81	104	124	82	98	107	156	174	194	158	141	113	154	122	158	114	147
Palm.....	8	5	5	16	19	24	26	18	41	22	52	94	89	80	106	77	70
Tung.....	15	20	9	18	19	21	33	18	18	25	29	50	33	31	42	31	19
Corn.....	18	17	26	18	15	14	15	18	23	27	23	16	22	21	34	26	20
Soybean.....	65	29	10	5	9	3	2	7	6	6	15	14	18	16	13	18	29
Olive, edible.....	7	7	7	8	6	4	7	4	5	4	6	8	4	5	7	2	3
Palm-kernel.....	1	2	1	2	1	1	9	(¹)	13	16	14	15	9	7	11	4	28
Peanut.....	21	29	18	3	2	4	2	2	3	3	4	12	6	3	3	26	29
Other specified ⁴	12	11	6	9	12	14	18	19	18	19	30	47	39	41	47	50	66
Other not specified.....	3	5	1	1	2		2	4	4	2	23	7	6	2	2	5	11
Total.....	725	755	658	525	535	585	604	838	1,084	951	1,052	1,083	1,181	1,320	1,538	1,134	1,092

Other products:																	
Lard compounds and other lard substitutes				16	11	20	23	23	27	30	32	27	25	26	27	28	40
Hydrogenated oils	17	19	25	26	20	10	15	11	14	16	16	23	27	21	23	18	22
Red oil	5	10	6	7	9	6	9	7	10	9	7	6	10	12	13	13	5
Other specified ¹	17	17	14	11	14	13	12	16	13	13	13	15	16	10	13	18	17
Total	39	45	45	61	53	49	59	57	64	68	68	71	78	69	76	77	84

¹ Less than 500,000 pounds.

² Includes castor beans and sesame seed.

³ Refined oils have been converted to crude basis by dividing by the following factors: Cottonseed oil, corn oil, and palm-kernel oil, 0.93; coconut oil, peanut oil, and soybean oil, 0.94.

⁴ Includes castor beans and sesame seed, castor oil, olive oil, inedible and foots, perilla oil, rape oil, sesame oil, and sunflower oil.

⁵ Includes castor oil, olive oil, inedible and foots, perilla oil, rape oil, sesame oil, and sunflower oil.

⁶ Includes stearine, vegetable and animal inedible, lard oil, and tallow oil. Oleomargarine is not included as stocks are available only for the year ended June 30 from reports of the Bureau of Internal Revenue and are as follows: 2,000,000 pounds for 1920-21 and 1930; 3,000,000 pounds for 1922-27 and 1931-33; 4,000,000 pounds for 1919 and 1928; and 5,000,000 pounds for 1929.

Compiled from Bureau of the Census, Animal and Vegetable Fats and Oils. Items have been rounded to million pounds without adjustment to totals.

CRUSHINGS

TABLE 21.—Crushings of raw materials for the production of vegetable oils, United States, 1919–35

Calendar year	Cottonseed	Peanuts, hulled ¹	Copra	Coconuts and skins	Corn germs ²	Olives
	1,000 lb.	1,000 lb.	1,000 lb.	1,000 lb.	1,000 lb.	1,000 lb.
1919	9,428,942	287,832	337,224	5,042	293,158	3,424
1920	7,390,374	38,843	202,208	3,786	291,156	4,262
1921	8,060,298	83,135	172,200	5,758	246,640	6,582
1922	6,085,866	58,659	287,044	5,232	306,300	4,020
1923	6,403,446	16,415	309,962	4,632	321,144	4,396
1924	7,717,584	19,829	296,530	4,088	425,668	11,568
1925	10,159,512	45,201	321,412	5,206	392,256	3,858
1926	11,892,254	29,009	403,436	8,928	451,352	9,320
1927	11,804,464	30,827	433,612	13,422	420,488	5,742
1928	9,227,300	35,831	493,820	7,194	440,590	12,570
1929	10,018,068	48,603	555,428	3,024	447,960	6,982
1930	10,468,042	74,608	554,204	4,408	450,696	14,754
1931	9,075,556	41,507	475,094	4,740	445,122	10,542
1932	9,911,262	37,356	419,636	3,068	427,244	6,324
1933	8,921,744	38,201	553,568	3,886	514,946	14,264
1934	7,823,772	122,210	465,056	3,814	452,870	7,092
1935 ⁴	7,688,508	118,759	399,154	3,302	405,840	4,572

Calendar year	Flaxseed	Castor beans	Soybeans	Mustard seed	Sesame seed	Miscellaneous ³
	1,000 lb.	1,000 lb.	1,000 lb.	1,000 lb.	1,000 lb.	1,000 lb.
1919	1,383,474	52,978	-----	7,006	-----	19,720
1920	1,435,056	56,022	-----	6,286	-----	10,276
1921	1,457,458	46,228	-----	6,144	-----	3,196
1922	1,357,118	72,140	5,956	3,600	-----	9,816
1923	1,913,736	88,820	9,050	4,080	-----	17,272
1924	2,132,962	84,948	7,448	2,596	-----	25,160
1925	2,310,768	99,842	20,338	3,592	-----	1,360
1926	2,184,152	105,460	20,686	3,018	-----	5,826
1927	2,337,828	111,902	23,728	2,588	-----	8,714
1928	2,256,054	144,982	36,204	2,764	-----	16,220
1929	2,299,888	167,616	81,174	1,856	-----	31,220
1930	1,596,764	104,202	103,874	1,016	47,450	7,254
1931	1,595,920	110,212	278,208	3,398	127,240	44,930
1932	991,988	84,352	278,574	1,440	13,880	34,680
1933	1,202,136	99,132	189,246	2,698	31,224	25,366
1934	1,065,930	93,074	249,846	1,068	19,058	27,376
1935 ⁴	1,463,820	102,878	738,478	1,320	138,166	142,286

¹ Peanuts in the hull have been converted to hulled basis by dividing by 1.5.

² Reports do not show whether corn germs are from wet or dry process.

³ Includes (in thousand pounds) palm kernels in 1919, 5,724; 1920, 5,888; 1921, 1,956; rapeseed, 1919, 6,782; 1920, 2,476; 1921, 498; hempseed, 1933, 43,980.

⁴ Preliminary.

Computed from Bureau of the Census, Animal and Vegetable Fats and Oils.

HYDROGENATION

TABLE 22.—Hydrogenated oils: Factory production and consumption, by quarters, 1919–36

Year	Production					Consumption				
	Total	Jan. 1 to Mar. 31	Apr. 1 to June 30	July 1 to Sept. 30	Oct. 1 to Dec. 31	Total	Jan. 1 to Mar. 31	Apr. 1 to June 30	July 1 to Sept. 30	Oct. 1 to Dec. 31
1919	120,445	10,210	17,966	21,513	70,755	53,591	7,703	15,118	14,896	15,814
1920	180,537	42,150	24,946	51,006	62,435	35,120	8,419	6,183	10,850	9,662
1921	216,216	42,404	52,751	63,905	57,156	59,279	13,608	14,049	19,399	12,223
1922	262,278	64,485	47,484	70,014	80,295	242,323	47,616	42,855	60,228	82,624
1923	221,650	60,975	50,072	43,824	66,779	283,405	75,281	55,392	54,416	78,316
1924	278,884	70,456	62,198	75,059	71,171	277,773	62,934	62,708	72,730	79,324
1925	416,353	84,234	83,670	103,223	145,226	390,801	83,277	74,514	98,769	134,242
1926	435,085	102,521	100,374	101,148	131,041	419,073	101,055	99,402	90,228	122,131
1927	505,292	129,156	114,393	130,458	131,286	481,500	121,284	108,051	128,155	124,010
1928	578,470	137,753	124,806	136,919	178,993	558,119	139,115	117,153	131,499	170,355
1929	656,438	158,178	159,075	167,188	171,997	595,472	149,975	140,237	152,260	162,994
1930	605,645	146,765	142,059	151,933	164,888	558,807	135,678	140,303	137,241	145,585
1931	613,493	149,582	157,545	142,535	163,830	541,988	137,382	140,092	130,205	134,309
1932	500,959	121,042	118,539	137,797	123,581	437,903	108,335	103,433	113,780	112,355
1933	488,875	108,453	134,322	129,129	116,971	420,475	99,712	112,098	110,317	98,348
1934	551,483	115,063	121,678	141,975	172,767	513,170	105,145	108,706	141,465	157,854
1935	748,391	182,348	159,928	196,035	210,080	688,308	170,627	145,804	180,458	191,359
1936 ¹	-----	181,767	188,670	244,704	-----	-----	160,310	173,206	221,753	-----

¹ Preliminary.

Compiled from Bureau of the Census, Animal and Vegetable Fats and Oils. Total and quarters rounded to thousands without adjusting.

PRODUCTION, TRADE, STOCKS, AND DISAPPEARANCE

VEGETABLE OILS

TABLE 23.—Castor oil: Production, trade, stocks Dec. 31, and apparent disappearance, 1919-35

[Net exports are indicated by a minus sign]

Calendar year	Factory production ¹	Imports for consumption	Exports	Net imports or net exports	Stocks, Dec. 31	Apparent disappearance
	1,000 lb.	1,000 lb.	1,000 lb.	1,000 lb.	1,000 lb.	1,000 lb.
1919	24,637	3,000			3,922	27,637
1920	24,187	1,372			4,908	24,483
1921	20,585	151			3,046	22,698
1922	31,487	864			4,123	31,274
1923	37,383	1,019			3,836	38,689
1924	37,434	293			3,900	37,573
1925	45,050	330			5,320	44,050
1926	46,652	450			6,359	46,063
1927	49,401	19			4,944	50,835
1928	64,521	1,033			7,550	62,948
1929	76,060	135			14,364	69,881
1930	46,856	45			8,375	52,890
1931	40,912	211	561	-350	11,887	46,050
1932	37,450	1,138	335	808	12,318	37,822
1933	44,847	1,201	342	940	14,381	43,733
1934	42,376	419	432	-13	12,277	44,467
1935 ²	46,627	258	318	-60	7,983	50,861

¹ From imported and domestic seed, but mostly imported.

² Preliminary.

Compiled as follows: Production and stocks, Bureau of the Census, Animal and Vegetable Fats and Oils. Trade figures, Foreign Commerce and Navigation of the United States. Apparent disappearance computed from table.

TABLE 24.—Castor oil and beans: Imports of oil, beans, and oil equivalent of beans, year beginning July 1900-1901 to 1910-11, calendar years, 1912-35

Year	Castor bean, net imports ¹		Castor oil		Total net imports	Year	Castor bean, net imports ¹		Castor oil		Total net imports
	As beans	Oil equivalent (42 percent)	Imports for consumption	Exports ²			As beans	Oil equivalent (42 percent)	Imports for consumption	Exports ²	
Beginning July:	1,000 lb.	1,000 lb.	1,000 lb.	1,000 lb.	1,000 lb.	Calendar year—	1,000 lb.	1,000 lb.	1,000 lb.	1,000 lb.	1,000 lb.
1900-1901	9,564	4,017	20		4,046	Contd.					
1901-2	15,616	6,559	32		6,591	1918	31,923	13,407	8,780		22,187
1902-3	19,014	7,986	58		8,044	1919	60,455	25,391	3,000		28,391
1903-4	24,902	10,459	90		10,549	1920	61,637	25,888	1,372		27,260
1904-5	10,388	8,143	52		8,195	1921	36,565	15,357	151		15,508
1905-6	21,881	9,190	34		9,224	1922	81,673	34,303	864		35,167
1906-7	24,423	10,258	41		10,299	1923	88,539	37,186	1,019		38,205
1907-8	25,430	10,680	47		10,727	1924	84,977	35,690	293		35,983
1908-9	30,685	12,888	55		12,943	1925	107,232	45,037	330		45,367
1909-10	36,300	15,246	59		15,305	1926	100,908	42,381	450		42,831
1910-11	37,252	15,646	57		15,703	1927	122,957	51,642	19		51,661
Calendar year:						1928	140,499	59,010	1,033		60,043
1912	53,088	22,297	56		22,353	1929	175,342	73,644	135		73,779
1913	42,209	17,728	240		17,968	1930	103,081	43,286	45		43,331
1914	46,416	19,495	1,661		21,156	1931	103,215	43,350	211	561	43,000
1915	42,766	17,962	143		18,105	1932	83,166	34,926	1,138	335	35,729
1916	51,739	21,730	3,071		24,801	1933	113,100	47,502	1,291	342	48,451
1917	52,051	21,861	4,406		26,267	1934	92,840	38,993	419	432	38,980
						1935 ³	77,049	32,361	258	318	32,301

¹ Imports for consumption, 1900-1901 to 1908-9, and beginning January 1934. No reexports of beans reported since 1920; in prior years reexports were negligible—1916, 2,000 pounds; 1918, 17,900 pounds; 1920, 325,050 pounds, or in terms of oil, 1916, 840 pounds; 1918, 8,000 pounds; 1920, 136,500 pounds. Reexports have been subtracted from total imports to make these net imports.

² Reported in the chemical group.

³ Preliminary.

Compiled from Foreign Commerce and Navigation of the United States.

TABLE 25.—*Castor beans crushed in the United States, annually and by quarters, 1919-36*

Year	Calendar year	Year beginning July	January-March	April-June	July-September	October-December
	<i>1,000 lb.</i>	<i>1,000 lb.</i>	<i>1,000 lb.</i>	<i>1,000 lb.</i>	<i>1,000 lb.</i>	<i>1,000 lb.</i>
1919	52,978	59,792	8,214	17,710	12,540	14,514
1920	56,022	42,480	17,780	14,952	14,164	9,130
1921	46,228	62,002	7,658	11,638	11,712	15,320
1922	72,140	85,060	15,150	19,820	16,708	20,402
1923	88,820	86,018	21,180	26,704	20,336	20,594
1924	84,948	89,926	22,808	22,280	17,808	22,252
1925	99,842	103,140	24,162	25,904	24,826	24,950
1926	105,460	114,736	26,628	28,736	25,588	26,508
1927	111,902	119,778	31,988	30,652	24,392	24,870
1928	144,982	172,274	31,248	39,268	32,438	42,028
1929	167,616	130,098	54,230	43,572	32,092	37,746
1930	104,202	101,076	34,784	25,506	22,252	21,660
1931	110,212	96,054	26,676	30,488	26,626	26,422
1932	84,852	87,114	19,318	23,688	18,720	22,026
1933	99,132	102,162	21,302	24,466	28,840	24,524
1934	93,074	93,786	25,164	23,644	21,022	23,254
1935	102,878	123,494	31,592	17,918	22,526	30,842
1936 ¹			37,946	32,180	26,542	

¹ Preliminary.

Computed from Bureau of the Census, Animal and Vegetable Fats and Oils.

TABLE 26.—*Coconut oil, crude: Production, net imports, stocks Dec. 31, and apparent disappearance, 1919-35*

Calendar year	Factory production	Net imports	Stocks, Dec. 31	Apparent disappearance	Calendar year	Factory production	Net imports	Stocks, Dec. 31	Apparent disappearance
	<i>1,000 lb.</i>	<i>1,000 lb.</i>	<i>1,000 lb.</i>	<i>1,000 lb.</i>		<i>1,000 lb.</i>	<i>1,000 lb.</i>	<i>1,000 lb.</i>	<i>1,000 lb.</i>
1919	215,542	154,496	135,953	370,038	1928	311,181	259,513	117,003	568,530
1920	131,218	187,626	113,995	340,802	1929	352,654	381,108	193,543	657,222
1921	113,194	179,617	106,196	300,610	1930	352,727	291,048	182,243	655,075
1922	185,526	211,549	121,192	382,079	1931	303,434	305,834	204,003	587,418
1923	235,919	161,116	78,871	439,356	1932	264,079	221,893	136,194	553,871
1924	191,357	204,028	65,522	408,734	1933	351,075	286,472	199,383	574,358
1925	207,604	213,411	58,539	427,998	1934 ¹	297,277	289,682	189,227	597,115
1926	260,712	225,834	100,124	444,961	1935 ²	252,841	341,078	153,455	620,601
1927	281,654	267,133	114,839	534,072					

¹ Imports for consumption, beginning January 1934.² Preliminary.

Compiled as follows: Factory production and stocks, Bureau of the Census, Animal and Vegetable Fats and Oils; production is crude, stocks are crude plus refined converted to crude (using 0.94). Trade figures, Foreign Commerce and Navigation of the United States; net imports are imports minus exports and reexports. Apparent disappearance computed from the table.

TABLE 27.—*Coconut oil: Imports, 1869-70 to 1910-11*

Year beginning July—	Imports	Year beginning July—	Imports	Year beginning July—	Imports	Year beginning July—	Imports
	<i>1,000 lb.</i>		<i>1,000 lb.</i>		<i>1,000 lb.</i>		<i>1,000 lb.</i>
1869-70	2,657	1880-81	4,332	1891-92	22,143	1902-03	40,075
1870-71	8,931	1881-82	7,467	1892-93	27,685	1903-04	41,450
1871-72	1,127	1882-83	7,150	1893-94	16,262	1904-05	43,773
1872-73	2,485	1883-84	6,106	1894-95	31,722	1905-06	43,822
1873-74	845	1884-85	14,173	1895-96	27,407	1906-07	35,544
1874-75	1,126	1885-86	11,765	1896-97	22,778	1907-08	46,204
1875-76	1,091	1886-87	11,740	1897-98	24,728	1908-09	42,255
1876-77	2,002	1887-88	14,967	1898-99	21,795	1909-10	47,053
1877-78	1,570	1888-89	14,577	1899-1900	30,501	1910-11	60,765
1878-79	2,326	1889-90	14,680	1900-01	27,056		
1879-80	4,131	1890-91	10,065	1901-02	28,099		

¹ Includes palm oil.² Net imports, that is, general imports minus reexports in thousand pounds as follows: 1907-8, 219; 1908-9, 236; 1909-10, 393; 1910-11, 353.

Compiled from Foreign Commerce and Navigation of the United States. Crude and refined in terms of crude.

TABLE 28.—*Copra and oil equivalent: Imports, reexports, and net imports, 1904-05 to 1910-11*

Year beginning July—	Imports		Reexports		Net imports	
	Raw material	Oil equi- valent (63 percent)	Raw material	Oil equi- valent (63 percent)	Raw material	Oil equi- valent (63 percent)
	1,000 lb.	1,000 lb.	1,000 lb.	1,000 lb.	1,000 lb.	1,000 lb.
1904-05.....	15,893	10,013			15,893	10,013
1905-06.....	12,101	7,624			12,101	7,624
1906-07.....	7,085	4,451			7,085	4,451
1907-08.....	14,122	8,897	7	4	14,115	8,893
1908-09.....	23,843	15,021	400	252	23,443	14,769
1909-10.....	21,306	13,423	295	186	21,011	13,237
1910-11.....	37,817	23,825	(1)	(1)	37,817	23,825

¹ Less than 500 pounds.

Compiled from Foreign Commerce and Navigation of the United States. Crude and refined in terms of crude. Copra not reported prior to 1905; reported as "not shredded, desiccated, or prepared coconut meat."

TABLE 29.—*Coconut oil: Imports into the United States from the Philippine Islands and other sources, exports and net imports, 1912-35*

Calendar year	Imports			Exports	Reexports	Net imports
	From Philippine Islands	From other sources	Total			
	1,000 lb.	1,000 lb.	1,000 lb.	1,000 lb.	1,000 lb.	1,000 lb.
1912.....			46,720		358	46,362
1913.....			72,196		200	71,936
1914.....			58,012		506	57,506
1915.....	(¹)	² 63,165	63,165		698	62,467
1916.....	30,831	33,518	64,349		478	63,871
1917.....	98,729	63,362	163,091		1,830	161,261
1918.....	245,402	110,687	356,089		926	355,163
1919.....	201,811	79,752	281,063	³ 118,612	7,955	154,496
1920.....	153,181	63,146	216,327	25,695	3,006	187,626
1921.....	163,966	25,761	189,717	7,498	2,602	179,617
1922.....	224,163	3,167	227,320	12,072	2,799	211,549
1923.....	180,700	1,182	181,882	16,562	4,204	161,116
1924.....	224,635	128	224,763	17,961	2,774	204,028
1925.....	232,499	675	233,174	17,901	1,862	213,411
1926.....	245,129	⁴ 327	245,456	15,952	3,670	225,834
1927.....	293,370	38	293,408	20,418	5,857	267,133
1928.....	290,637	60	290,697	24,653	6,531	259,513
1929.....	411,936	43	411,979	29,532	1,339	381,108
1930.....	817,919	33	817,952	25,107	1,797	291,048
1931.....	325,175	5	325,180	18,266	1,080	305,834
1932.....	249,117	26	249,143	23,684	3,566	221,893
1933.....	316,078	25	316,103	26,221	3,410	286,472
1934 ⁵	814,803	2	814,805	25,123		289,682
1935 ⁶	853,396	10	853,406	12,328		341,078

¹ Reported in value only.

² Includes coconut oil from Philippines.

³ July 1-Dec. 1. Not separately classified prior to 1919.

⁴ 1926-33, imports for consumption are used because general imports from sources other than Philippine Islands are included in "Other vegetable oils."

⁵ Imports for consumption, beginning January 1934.

⁶ Preliminary.

Compiled from Foreign Commerce and Navigation of the United States and Monthly Summary of Foreign Commerce. Crude and refined in terms of crude.

TABLE 30.—*Copra: Imports into the United States from the Philippine Islands and other sources, reexports and net imports, 1912-35*

Calendar year	Imports						Reexports		Net imports	
	Raw material			Oil equivalent (63 percent)			Raw material	Oil equivalent (63 percent)	Raw material	Oil equivalent (63 percent)
	From Philippine Islands	From other sources	Total	From Philippine Islands	From other sources	Total				
	1,000 lb.	1,000 lb.	1,000 lb.	1,000 lb.	1,000 lb.	1,000 lb.	1,000 lb.	1,000 lb.	1,000 lb.	
1912			62, 168			39, 166	(¹)	(¹)	62, 168	39, 166
1913			30, 351			19, 121	33	21	30, 318	19, 100
1914			60, 077			37, 849	44	28	60, 033	37, 821
1915	47, 812	60, 482	108, 294	30, 121	38, 104	68, 225	228	143	108, 068	68, 082
1916	55, 405	103, 360	158, 771	34, 905	45, 121	100, 026	87	55	158, 084	99, 971
1917	156, 690	210, 010	368, 700	98, 714	132, 307	231, 021	3, 980	2, 496	362, 740	228, 626
1918	127, 954	302, 695	430, 649	80, 611	190, 698	271, 309	476	300	430, 173	271, 009
1919	16, 396	242, 520	258, 916	10, 320	152, 785	163, 117	20, 780	13, 091	238, 136	150, 026
1920	22, 718	192, 470	215, 188	14, 313	121, 265	135, 568	1, 011	637	214, 177	134, 931
1921	82, 796	106, 625	189, 321	52, 102	67, 110	119, 272	2, 729	1, 719	186, 692	117, 653
1922	193, 092	75, 864	268, 956	121, 048	47, 794	169, 442	1, 113	701	267, 843	168, 741
1923	253, 896	73, 078	332, 974	103, 735	46, 039	209, 774	3, 079	1, 940	329, 895	207, 834
1924	238, 579	52, 485	291, 064	150, 305	33, 066	183, 371	2, 448	1, 543	288, 616	181, 828
1925	264, 059	80, 017	304, 076	178, 957	60, 411	229, 368	3, 843	2, 421	360, 233	226, 947
1926	275, 096	181, 903	457, 999	173, 689	114, 598	288, 287	4, 002	2, 521	453, 597	285, 760
1927	341, 389	109, 606	450, 995	215, 075	69, 062	284, 127	4, 829	3, 042	446, 167	281, 085
1928	371, 889	130, 101	501, 990	234, 260	81, 964	316, 254	4, 972	3, 132	497, 018	313, 122
1929	310, 194	260, 737	570, 931	195, 423	164, 264	359, 687	4, 692	2, 956	566, 240	356, 731
1930	336, 555	258, 784	595, 339	212, 030	183, 034	375, 064	6, 690	4, 215	588, 649	370, 849
1931	267, 471	190, 476	457, 947	168, 507	119, 990	288, 506	26, 890	16, 041	431, 056	271, 565
1932	198, 526	254, 921	453, 447	125, 071	160, 001	285, 072	9, 567	0, 027	443, 881	279, 045
1933	442, 168	218, 704	660, 872	278, 569	137, 783	416, 349	8, 917	5, 618	651, 955	410, 731
1934 ²	338, 087	61, 147	399, 234	212, 906	38, 522	251, 517			399, 234	251, 517
1935 ³	441, 031	13, 103	454, 134	277, 860	8, 255	286, 105			454, 134	286, 105

¹ Less than 500 pounds.² Imports for consumption beginning January 1934.³ Preliminary.

Compiled from Foreign Commerce and Navigation of the United States, and Monthly Summary of Foreign Commerce.

TABLE 31.—*Copra and coconut oil: Imports into the United States from the Philippine Islands and other sources, exports and net imports, 1912-35*

Calendar year	Total oil and oil equivalent of copra (63 percent)					
	From Philippine Islands	From other sources	Total imports	Exports	Reexports	Net imports
	1,000 lb.	1,000 lb.	1,000 lb.	1,000 lb.	1,000 lb.	1,000 lb.
1912			85, 880		358	85, 529
1913			91, 317		281	91, 036
1914			95, 801		534	95, 267
1915	130, 121	101, 269	131, 390		841	130, 549
1916	65, 736	98, 639	164, 375		533	163, 842
1917	197, 443	196, 659	394, 112		4, 325	389, 787
1918	326, 013	301, 385	627, 398		1, 226	626, 172
1919	211, 640	232, 540	444, 180	118, 612	21, 046	304, 522
1920	167, 404	184, 401	351, 895	25, 605	3, 643	322, 657
1921	216, 128	92, 861	308, 989	7, 408	4, 321	297, 170
1922	345, 801	50, 961	396, 762	12, 072	3, 500	380, 290
1923	344, 435	47, 221	391, 656	16, 562	0, 144	368, 950
1924	374, 040	33, 194	408, 134	17, 981	4, 317	386, 850
1925	411, 456	51, 086	462, 542	17, 901	4, 283	440, 358
1926	418, 818	114, 925	533, 743	15, 052	6, 191	511, 600
1927	508, 445	69, 090	577, 535	20, 418	8, 899	548, 218
1928	524, 927	82, 024	606, 951	24, 053	0, 063	572, 635
1929	607, 359	164, 307	771, 666	29, 532	4, 295	737, 850
1930	529, 949	163, 067	693, 016	25, 107	0, 012	601, 897
1931	493, 682	120, 004	613, 686	18, 266	18, 021	577, 399
1932	374, 188	160, 627	534, 815	23, 684	9, 593	501, 538
1933	594, 644	137, 808	732, 452	26, 221	9, 028	697, 203
1934	527, 798	38, 524	566, 322	26, 123		541, 199
1935 ³	631, 240	8, 265	639, 511	12, 328		627, 183

¹ Coconut oil not included, figure is only for copra in terms of oil.² July 1-Dec. 1. Not separately classified prior to this date.³ Preliminary.

Compiled from Foreign Commerce and Navigation of the United States, and Monthly Summary of Foreign Commerce.

TABLE 32.—*Copra crushed in the United States, annually and by quarters, 1919-36*

Year	Quantity crushed					
	Calendar year	Year beginning July	January-March	April-June	July-September	October-December
	<i>1,000 lb.</i>	<i>1,000 lb.</i>	<i>1,000 lb.</i>	<i>1,000 lb.</i>	<i>1,000 lb.</i>	<i>1,000 lb.</i>
1919.....	337,224	283,548	63,642	99,492	93,038	81,052
1920.....	202,208	157,720	61,842	47,616	51,568	41,182
1921.....	172,200	262,050	34,744	30,226	52,764	54,466
1922.....	287,044	319,094	81,688	73,132	53,028	78,296
1923.....	369,962	325,844	90,478	97,262	78,160	104,062
1924.....	295,530	302,496	70,600	64,022	71,282	81,626
1925.....	321,412	368,406	75,894	73,694	71,168	100,656
1926.....	403,436	428,312	97,040	99,542	102,892	103,962
1927.....	433,612	438,562	111,780	109,678	101,890	110,204
1928.....	493,820	556,644	125,688	100,720	129,164	138,248
1929.....	555,428	540,012	142,194	147,038	131,718	134,478
1930.....	554,204	549,714	140,938	126,878	138,120	142,268
1931.....	475,094	427,352	142,458	120,868	98,048	107,720
1932.....	419,636	442,112	122,272	99,312	84,134	113,918
1933.....	553,558	589,770	118,450	125,610	153,610	155,888
1934.....	465,056	353,616	149,394	130,878	90,000	94,784
1935.....	399,154	456,008	97,396	71,466	96,848	133,474
1936 ¹.....	.....	.....	112,788	112,898	98,328	.....

¹ Preliminary.

Computed from Bureau of the Census, Animal and Vegetable Fats and Oils.

TABLE 33.—*Corn oil, crude: Production, trade, stocks Dec. 31, and apparent disappearance, 1912-35*

[Net exports are indicated by a minus sign]

Calendar year	Production	Imports	Exports	Net exports or net imports	Stocks Dec. 31	Apparent disappearance
	<i>1,000 lb.</i>	<i>1,000 lb.</i>	<i>1,000 lb.</i>	<i>1,000 lb.</i>	<i>1,000 lb.</i>	<i>1,000 lb.</i>
1912.....	72,832	.....	.....	-22,870	.....	49,96
1913.....	.....	.....	17,789	-17,789	.....	.....
1914.....	91,810	.....	10,199	-10,199	.....	75,611
1915.....	.....	.....	16,870	-16,870	.....	.....
1916.....	109,963	.....	9,119	-9,119	.....	100,844
1917.....	118,021	.....	4,709	-4,709	18,642	113,312
1918.....	111,065	.....	171	-171	.....	110,894
1919.....	97,400	.....	6,415	-6,415	18,033	90,985
1920.....	98,619	.....	12,059	-12,059	27,834	87,169
1921.....	87,481	.....	4,400	-4,400	18,521	73,280
1922.....	111,508	.....	5,733	-5,733	10,635	115,088
1923.....	111,343	.....	4,361	-4,361	14,713	108,868
1924.....	117,065	.....	3,679	-3,679	16,378	115,308
1925.....	104,153	.....	3,847	-3,847	10,686	98,641
1926.....	120,941	.....	1,324	-1,324	25,209	115,409
1927.....	117,441	.....	310	-310	28,609	111,611
1928.....	124,327	.....	337	-337	24,777	120,587
1929.....	133,680	.....	315	-315	17,432	137,197
1930.....	120,747	.....	613	-613	22,870	127,479
1931.....	113,145	.....	776	-776	36,315	105,575
1932.....	106,496	.....	960	-960	27,992	106,892
1933.....	128,616	9,169	1,026	8,143	123,384	126,384
1934.....	114,610	10,769	1,314	9,455	132,415	132,415
1935.....	99,788	25,746	833	24,613	131,490	131,490

¹ Imports for consumption, beginning January 1934.

Compiled as follows: Production 1912, 1914, 1916-18, Supplement to U. S. Department of Agriculture Bulletin No. 769. Production and stocks, 1919-35. Bureau of the Census, Animal and Vegetable Fats and Oils. Production of crude oil and stocks of crude plus refined, converted to crude (using 0.93). Trade figures, Foreign Commerce and Navigation of the United States. Crude and refined not separately stated, used as crude. Apparent disappearance computed from table.

TABLE 34.—*Corn oil: Production, trade, stocks Sept. 30, and apparent disappearance, 1919-20 to 1935-36*

[Net exports are indicated by a minus sign]

Year beginning October—	Factory production of crude oil	Imports	Exports	Net exports or net imports	Stocks at end of period	Apparent disappearance
	1,000 lb.	1,000 lb.	1,000 lb.	1,000 lb.	1,000 lb.	1,000 lb.
1919-20.....	110,603				19,742	
1920-21.....	72,958		7,009	-7,009	18,439	67,252
1921-22.....	110,323		5,254	-5,254	20,279	103,229
1922-23.....	112,584		5,366	-5,366	16,502	110,935
1923-24.....	117,208		3,379	-3,379	13,436	118,955
1924-25.....	101,297		3,840	-3,840	14,188	96,705
1925-26.....	122,623		2,186	-2,186	18,493	116,132
1926-27.....	113,303		262	-262	22,620	108,914
1927-28.....	123,329		379	-379	27,123	118,447
1928-29.....	134,050		299	-299	24,879	135,995
1929-30.....	125,256		501	-501	22,559	127,075
1930-31.....	111,030		837	-837	20,068	112,684
1931-32.....	107,973		911	-911	16,717	110,413
1932-33.....	122,620	17,076	845	6,231	27,439	118,129
1933-34.....	122,967	6,762	1,664	5,198	28,012	127,592
1934-35.....	96,641	23,443	902	22,541	21,891	125,303
1935-36 ¹	122,943	30,819	697	30,122	22,840	152,116

¹ If any, included under "all other" vegetable oils prior to January 1933; imports for consumption, beginning January 1934.

² Preliminary.

Compiled as follows: Production and stocks, Bureau of the Census, Animal and Vegetable Fats and Oils. Trade figures, Foreign Commerce and Navigation of the United States. Apparent disappearance computed from table.

TABLE 35.—*Corn oil, crude: Exports, 1897-98 to 1910-11*

Year beginning July—	Exports	Year beginning July—	Exports	Year beginning July—	Exports	Year beginning July—	Exports
	1,000 lb.		1,000 lb.		1,000 lb.		1,000 lb.
1897-98.....	19,849	1901-2.....	31,998	1905-6.....	28,749	1908-9.....	24,442
1898-99.....	17,705	1902-3.....	28,410	1906-7.....	22,810	1909-10.....	11,209
1899-1900.....	32,870	1903-4.....	24,172	1907-8.....	27,445	1910-11.....	25,317
1900-1901.....	36,064	1904-5.....	23,317				

Compiled from Foreign Commerce and Navigation of the United States. Crude and refined not separately reported, used as crude.

TABLE 36.—Cottonseed oil, crude: Production, trade, stocks Dec. 31, and apparent disappearance, 1912-35

Calendar year	Production	Imports ¹	Exports	Reex-ports	Net exports	Stocks, Dec. 31	Apparent disappearance
	1,000 lb.	1,000 lb.	1,000 lb.	1,000 lb.	1,000 lb.	1,000 lb.	1,000 lb.
1912.....	1,435,401	2,160	355,930	42	353,812	-----	1,081,589
1913.....	1,421,550	11,407	264,779	35	253,407	-----	1,168,143
1914.....	1,789,777	16,017	216,309	101	200,393	-----	1,689,584
1915.....	1,486,387	11,675	352,439	30	340,794	-----	1,145,593
1916.....	1,492,430	16,598	188,214	-----	171,615	308,348	1,320,814
1917.....	1,343,849	13,826	124,704	26	110,904	343,265	1,198,028
1918.....	1,283,823	18,373	119,067	23	100,717	307,965	1,218,406
1919.....	1,420,948	27,806	103,133	211	165,538	394,472	1,177,903
1920.....	1,142,671	9,458	184,754	34	175,330	451,131	910,682
1921.....	1,277,300	669	252,549	5	251,885	377,466	1,099,080
1922.....	934,627	21	78,584	(²)	78,563	267,646	965,884
1923.....	973,753	25	51,251	-----	51,226	299,293	890,880
1924.....	1,154,434	(³)	45,179	-----	45,179	355,874	1,052,674
1925.....	1,510,802	(³)	64,588	-----	64,588	300,330	1,601,768
1926.....	1,764,318	6,679	41,920	-----	35,241	515,784	1,613,623
1927.....	1,806,757	(³)	69,229	-----	69,229	699,845	1,553,467
1928.....	1,460,469	1	52,498	-----	52,497	600,808	1,607,009
1929.....	1,584,361	2	20,586	-----	20,584	573,368	1,585,217
1930.....	1,616,102	(³)	29,193	-----	29,193	576,407	1,583,870
1931.....	1,416,800	1	23,544	-----	23,543	654,559	1,315,105
1932.....	1,571,049	-----	56,580	-----	56,580	929,381	1,239,638
1933.....	1,399,655	-----	36,135	-----	36,135	997,421	1,296,480
1934.....	1,224,085	4 9,157	15,331	-----	6,174	649,196	1,666,136
1935 ⁴	1,184,039	166,687	4,091	-----	* 162,596	666,320	1,430,511

¹ 1912-25, general imports; beginning 1926, imports for consumption.² Not separately reported after 1921.³ Less than 500 pounds.⁴ July-December figure, none reported first 6 months. Reported as edible.⁵ Preliminary.⁶ Net imports.

Compiled as follows: Production of crude oil, 1912, 1914, 1916-18, Supplement to U. S. Department of Agriculture Bulletin No. 769; 1913, 1915, average of fiscal years, Bureau of the Census, Cotton Production and Distribution; 1919-35, Bureau of the Census, Animal and Vegetable Fats and Oils. Production is chiefly from domestic seed. Stocks, 1916-18, Bureau of the Census, Cotton Production and Distribution; 1919-35, Bureau of the Census, Animal and Vegetable Fats and Oils. Stocks are crude plus refined converted to crude (using 0.93). Trade figures, Foreign Commerce and Navigation of the United States. Imports are crude and refined not separately reported prior to 1930. Reported as "edible" beginning 1930. Exports, 1912-21, crude and refined not separately reported; 1922-35, crude plus refined converted to crude (using 0.93). Apparent disappearance computed from table.

TABLE 37.—*Cottonseed oil, crude: Production, trade, stocks July 31, and apparent disappearance, 1912-13 to 1935-36*

Year beginning August—	Factory production	Imports ¹	Exports	Reex-ports	Net exports	Stocks at end of period	Apparant disappearance
	1,000 lb.	1,000 lb.	1,000 lb.	1,000 lb.	1,000 lb.	1,000 lb.	1,000 lb.
1912-13	1,393, 125		313, 241	72			
1913-14	1,449, 975	² 18, 378	191, 019	101	172, 742		1, 277, 233
1914-15	1,719, 450	13, 970	333, 557	30	310, 617		1, 390, 833
1915-16	1,253, 325	17, 352	250, 909	0	233, 557	219, 038	1, 019, 768
1916-17	1,407, 660	12, 360	159, 849	1	147, 490	326, 721	1, 142, 487
1917-18	1,312, 470	16, 068	109, 438	48	92, 518	302, 301	1, 254, 282
1918-19	1,325, 333	19, 170	173, 944	21	154, 985	185, 161	1, 287, 578
1919-20	1,211, 464	22, 789	152, 760	0	129, 971	342, 772	923, 882
1920-21	1,309, 183	877	236, 875	39	286, 038	264, 208	1, 101, 709
1921-22	930, 475	0	87, 470	(³)	87, 470	183, 089	924, 124
1922-23	1,002, 922	46	67, 385		67, 339	153, 611	965, 061
1923-24	979, 617	(⁴)	40, 697		40, 697	118, 891	973, 640
1924-25	1,403, 781	(⁴)	55, 556		55, 556	191, 459	1, 275, 657
1925-26	1,617, 015	⁵ 6, 679	59, 308		52, 629	164, 916	1, 500, 929
1926-27	1,887, 910	(⁴)	61, 904		61, 904	423, 407	1, 567, 455
1927-28	1,476, 609	⁵ 1	59, 568		59, 567	381, 634	1, 458, 815
1928-29	1,604, 131	⁵ 2	29, 691		29, 689	383, 289	1, 572, 787
1929-30	1,572, 322	(⁴)	32, 505		32, 505	332, 205	1, 590, 901
1930-31	1,441, 882	⁵ 1	28, 119		28, 118	306, 835	1, 439, 134
1931-32	1,694, 123		43, 453		43, 453	705, 245	1, 252, 200
1932-33	1,445, 681		44, 296		44, 296	778, 508	1, 328, 122
1933-34	1,302, 786		23, 031		23, 031	740, 642	1, 317, 621
1934-35	1,108, 582	131, 320	5, 205		⁶ 126, 115	506, 578	1, 468, 761
1935-36 ⁷	1,163, 736	140, 830	3, 768		⁶ 137, 062	362, 066	1, 445, 310

¹ General imports, 1913-14 to 1923-24; imports for consumption beginning 1924-25.

² Available for calendar years only prior to 1913-14.

³ Not separately reported after 1921.

⁴ Not over 500 pounds.

⁵ These are data for calendar years; that is, the second year shown in stub.

⁶ Net imports.

⁷ Preliminary.

Compiled as follows: Production of crude oil, Bureau of the Census, Cotton Production and Distribution. Production chiefly from domestic seed. Stocks, Bureau of the Census, Cotton Production and Distribution. Stocks are crude plus refined converted to crude (using 0.93). Trade figures, Foreign Commerce and Navigation of the United States; imports are crude and refined not separately reported prior to 1930; reported as "edible" beginning 1930. Exports, 1912-13 to 1921-22, crude and refined not separately reported; 1922-23 to 1935-36, crude plus refined converted to crude (using 0.93). Apparent disappearance computed from table.

TABLE 38.—*Cottonseed oil, crude: Production, exports, and apparent disappearance, 1874-75 to 1910-11*

Year	Production, year beginning August	Exports, year beginning July ¹	Apparant disappearance	Year	Production, year beginning August	Exports, year beginning July ¹	Apparant disappearance
	1,000 lb.	1,000 lb.	1,000 lb.		1,000 lb.	1,000 lb.	1,000 lb.
1874-75	25, 275	3, 130	22, 145	1893-94	429, 450	112, 187	317, 263
1875-76	37, 050	2, 108	34, 942	1894-95	503, 175	158, 908	344, 267
1876-77	29, 550	12, 791	16, 759	1895-96	430, 425	145, 844	284, 581
1877-78	45, 150	37, 443	7, 707	1896-97	488, 400	203, 992	284, 408
1878-79	54, 450	40, 144	14, 306	1897-98	630, 300	301, 731	328, 569
1879-80	70, 650	52, 483	18, 167	1898-99	705, 825	379, 794	326, 121
1880-81	54, 675	25, 831	28, 844	1899-1900	699, 975	351, 768	348, 207
1881-82	88, 350	5, 352	82, 998	1900-1901	724, 575	370, 176	354, 399
1882-83	117, 600	3, 117	114, 483	1901-2	889, 575	247, 322	641, 754
1883-84	118, 800	27, 045	91, 755	1902-3	921, 825	267, 322	654, 503
1884-85	149, 625	47, 732	101, 893	1903-4	914, 100	217, 003	696, 497
1885-86	173, 550	46, 801	126, 749	1904-5	1,003, 650	380, 517	617, 133
1886-87	208, 275	30, 504	177, 771	1905-6	942, 750	328, 451	614, 299
1887-88	246, 825	33, 439	213, 386	1906-7	1,153, 200	314, 102	839, 098
1888-89	238, 275	20, 180	218, 095	1907-8	772, 875	307, 605	465, 225
1889-90	262, 125	100, 383	161, 742	1908-9	1,100, 925	383, 155	717, 770
1890-91	306, 975	82, 524	224, 451	1909-10	982, 500	223, 055	759, 445
1891-92	320, 650	103, 945	216, 605	1910-11	1,259, 775	225, 521	1,034, 254
1892-93	315, 075	70, 960	244, 109				

¹ Crude and refined not separately reported. No imports reported.

Compiled from Cotton Production and Distribution, U. S. Department of Commerce. Apparent disappearance computed from table.

TABLE 39.—Cotton: Acreage, yield per acre, and production, 1874-1936

Calendar year	Acreage harvested	Average yield per acre	Production ¹	Calendar year	Acreage harvested	Average yield per acre	Production ¹
	1,000 acres	Pound	1,000 bales		1,000 acres	Pound	1,000 bales
1874	10,753	157.0	3,836	1906	31,404	202.3	13,274
1875	11,348	181.2	4,631	1907	30,729	172.9	11,106
1876	11,747	167.6	4,474	1908	31,091	203.8	13,241
1877	12,606	170.4	4,773	1909	30,555	156.5	10,005
1878	13,539	167.5	5,074	1910	31,508	176.2	11,609
1879	14,474	180.5	5,756	1911	34,916	215.0	15,694
1880	15,921	190.9	6,606	1912	32,557	201.4	13,703
1881	16,483	149.0	5,456	1913	35,206	192.3	14,153
1882	15,638	208.9	6,949	1914	35,615	216.4	16,112
1883	16,205	162.0	5,713	1915	20,951	178.5	11,172
1884	16,849	155.1	5,682	1916	33,071	165.6	11,448
1885	17,922	169.9	6,576	1917	32,245	167.4	11,284
1886	18,370	164.3	6,605	1918	35,038	164.1	12,018
1887	18,793	175.1	7,047	1919	32,906	165.9	11,411
1888	19,520	169.5	6,939	1920	34,408	186.7	13,429
1889	20,191	176.9	7,473	1921	28,678	132.5	7,945
1890	20,937	195.5	8,653	1922	31,361	148.8	9,755
1891	21,503	198.7	9,035	1923	35,550	136.4	10,140
1892	18,869	168.7	6,700	1924	39,501	165.0	13,630
1893	20,258	175.3	7,493	1925	44,386	173.5	16,105
1894	21,886	219.0	9,901	1926	44,608	192.9	17,978
1895	19,839	172.2	7,162	1927	38,342	161.7	12,956
1896	23,230	175.2	8,533	1928	42,434	163.3	14,477
1897	25,131	209.0	10,899	1929	43,232	164.2	14,825
1898	24,715	223.1	11,278	1930	42,444	157.1	13,932
1899	24,163	185.0	9,346	1931	38,704	211.5	17,097
1900	24,886	194.7	10,124	1932	35,891	173.5	13,003
1901	27,050	168.2	9,508	1933	29,383	212.7	13,049
1902	27,561	184.7	10,630	1934	26,866	171.6	9,636
1903	27,762	169.9	9,851	1935 ¹	27,335	186.3	10,638
1904	30,077	213.7	13,438	1936 ²	30,054	206.4	12,407
1905	27,753	182.3	10,576				

¹ 500 pounds gross weight bales.
² Preliminary.

TABLE 40.—Cottonseed: Production, acreage, seed requirements, crushings, and oil produced, 1874-1936

Year	Production ¹	A average yield per acre ²	Seed requirements for following year	Crushed, year beginning Aug. 1		Oil produced, year beginning Aug. 1
				Total	Percentage of production ²	
	1,000 short tons	Pounds	1,000 short tons	1,000 short tons	Percent	Million pounds
1874	1,567	291.5		84	5.4	25
1875	1,909	336.4		123	6.4	37
1876	1,826	310.9		98	5.4	30
1877	1,994	316.4		150	7.5	45
1878	2,106	311.1		181	8.6	54
1879	2,425	335.1		235	9.7	71
1880	2,822	354.5		182	6.4	55
1881	2,280	276.6		295	12.9	88
1882	3,033	387.9		392	12.9	118
1883	2,450	300.7		396	16.2	119
1884	2,427	288.1		499	20.6	150
1885	2,828	315.6		578	20.4	174
1886	2,802	305.1		694	24.8	208
1887	3,066	325.2		823	26.9	247
1888	3,074	315.0		794	25.8	238
1889	3,318	328.7		874	26.3	262
1890	3,802	363.2		1,029	26.9	307
1891	3,067	369.0		1,068	26.9	321
1892	2,956	313.3		1,050	35.5	315
1893	3,297	325.5		1,431	43.4	429
1894	4,448	406.5		1,677	37.7	503
1895	3,174	320.0		1,435	45.2	430
1896	3,778	325.3		1,628	43.1	488
1897	4,878	388.2		2,101	43.1	630
1898	5,120	414.3		2,353	46.0	706
1899	4,152	343.7		2,479	59.7	700
1900	4,500	361.6		2,415	53.7	725
1901	4,226	312.5		3,154	74.6	890

¹ Estimated from the production of lint cotton, assuming 65 pounds of seed for each 35 pounds of lint, or 888 pounds to each 478-pound bale of lint. Refers to the cotton crop of the year stated.
² Computed in the Division of Statistical and Historical Research.

TABLE 40.—Cottonseed: Production, acreage, seed requirements, crushings, and oil produced, 1874-1936—Continued

Year	Production	Average yield per acre	Seed requirements for following year	Crushed, year beginning Aug. 1		Oil produced, year beginning Aug. 1
				Total	Percentage of production	
	1,000 short tons	Pounds	1,000 short tons	1,000 short tons	Percent	Million pounds
1902	4,720	343.2		3,260	69.1	922
1903	4,379	315.5		3,241	74.0	914
1904	5,967	396.8		3,345	56.1	1,004
1905	4,700	338.7		3,131	66.6	943
1906	5,898	375.6		3,844	65.2	1,153
1907	4,931	320.9		2,565	52.0	773
1908	5,883	378.4		3,670	62.4	1,101
1909	4,442	290.8		3,269	73.6	982
1910	5,158	327.3		4,106	79.6	1,200
1911	6,970	399.2		4,921	70.6	1,612
1912	6,087	373.9		4,580	75.2	1,303
1913	6,286	367.1		4,848	77.1	1,460
1914	7,155	401.8		5,780	80.8	1,719
1915	4,963	331.4		4,202	84.7	1,253
1916	5,085	307.5		4,479	88.1	1,408
1917	5,012	310.9		4,252	84.8	1,312
1918	5,341	304.9		4,479	83.9	1,325
1919	5,099	308.1	589	4,013	79.2	1,211
1920	5,966	346.8	500	4,069	68.2	1,309
1921	3,528	246.0	534	3,008	85.3	930
1922	4,330	276.1	604	3,242	74.9	1,003
1923	4,603	263.3	655	3,308	73.5	980
1924	6,050	306.3	700	4,605	76.1	1,404
1925	7,150	322.2	703	5,558	77.7	1,617
1926	7,989	358.2	604	6,306	78.9	1,888
1927	5,758	300.3	676	4,654	80.8	1,477
1928	6,435	303.3	688	5,061	78.6	1,601
1929	6,590	304.9	670	5,016	76.1	1,572
1930	6,101	291.7	608	4,715	76.2	1,442
1931	7,004	392.9	573	5,328	70.1	1,694
1932	5,784	322.3	628	4,021	79.9	1,446
1933	5,806	395.2	438	4,157	71.6	1,305
1934	4,282	318.8	433	3,550	82.9	1,109
1935 ¹	4,729	346.0	473	3,818	80.7	1,164
1936 ²	5,513	366.9				

¹ Preliminary.

Compiled as follows: Production, average yield per acre, and seed requirements, Bureau of Agricultural Economics. Seed crushed and oil produced, Bureau of the Census, Cotton Production and Distribution.

TABLE 41.—Cottonseed crushed in the United States, by months, 1919-36

Year	Calendar year ¹	Year beginning August	Month												
			Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	
	1,000 short tons	1,000 short tons	1,000 short tons	1,000 short tons	1,000 short tons	1,000 short tons	1,000 short tons	1,000 short tons	1,000 short tons	1,000 short tons	1,000 short tons	1,000 short tons	1,000 short tons	1,000 short tons	
1918									702	541	420	299	238	114	42
1919	4,714	4,013	20	234	720	743	641	626	403	317	174	85	37	13	18
1920	3,695	4,069	20	147	623	706	544	527	497	462	237	134	100	72	25
1921	4,030	3,008	99	304	608	574	416	339	291	222	69	41	20	25	22
1922	3,043	3,242	52	327	597	607	453	465	315	203	111	63	34	15	15
1923	3,202	3,308	55	249	661	602	429	406	341	234	150	90	60	22	22
1924	3,860	4,605	62	315	719	748	704	700	508	379	233	133	77	27	27
1925	5,822	5,558	113	488	810	810	798	791	662	517	315	141	67	40	40
1926	5,946	6,309	75	476	935	984	943	850	687	615	363	106	124	68	33
1927	5,908	4,654	180	585	864	799	602	571	448	323	165	65	30	33	33
1928	4,613	5,061	74	421	911	864	699	748	512	367	206	114	61	64	64
1929	5,009	5,016	120	489	902	779	627	663	510	309	231	139	86	21	21
1930	5,234	4,716	164	564	941	798	670	595	397	280	158	86	43	90	90
1931	4,538	5,328	59	449	868	870	712	583	534	524	327	199	113	158	158
1932	4,957	4,621	153	571	708	675	480	432	436	309	249	210	171	101	101
1933	4,461	4,157	235	521	644	583	444	470	437	345	176	100	92	68	65
1934	3,914	3,550	198	439	602	529	416	402	338	261	150	102	68	61	61
1935	3,844	3,818	143	437	748	628	522	458	347	254	133	71	40	40	37
1936 ²			102	593	743										

¹ Sum of monthly figures rounded to thousands.² Preliminary.

Compiled from Bureau of the Census, Cotton Production and Distribution.

TABLE 42.—Cottonseed: Imports, exports, and net exports, year beginning July 1871-72 to 1910-11, calendar years, 1912-35

[Net exports are indicated by a minus sign]

Year beginning July—	Exports		Year beginning July—	Exports		Year beginning July—	Exports	
	Raw material	Oil equivalent (15 per cent)		Raw material	Oil equivalent (15 per cent)		Raw material	Oil equivalent (15 per cent)
	1,000 lb.	1,000 lb.		1,000 lb.	1,000 lb.		1,000 lb.	1,000 lb.
1871-72 ¹	6,300	954	1880-81	11,629	1,744	1889-90	7,661	1,149
1872-73	4,005	601	1881-82	11,901	1,785	1890-91	10,108	1,516
1873-74	6,304	946	1882-83	11,800	1,770	1891-92	12,149	1,822
1874-75	5,316	797	1883-84	5,675	851	1892-93	4,519	678
1875-76	5,165	775	1884-85	11,047	1,657	1893-94	5,419	813
1876-77	10,309	1,546	1885-86	11,793	1,769	1894-95	11,052	1,658
1877-78	16,758	2,514	1886-87	11,232	1,685	1895-96	26,980	4,047
1878-79	16,398	2,460	1887-88	6,219	933	1896-97	26,566	3,985
1879-80	12,142	1,821	1888-89	11,374	1,706			

Year	Imports for consumption		Exports		Net imports or net exports	
	Raw material	Oil equivalent (15 per cent)	Raw material	Oil equivalent (15 per cent)	Raw material	Oil equivalent (15 per cent)
	1,000 lb.	1,000 lb.	1,000 lb.	1,000 lb.	1,000 lb.	1,000 lb.
Beginning July:						
1897-98	1,460	1,369	32,765	4,915	30,305	4,546
1898-99	1,730	259	34,444	5,167	32,714	4,908
1899-1900	808	121	49,855	7,478	49,047	7,357
1900-1901	1,980	297	43,329	6,499	41,349	6,202
1901-1902	1,185	178	50,403	8,401	55,218	8,283
1902-1903	123	18	51,622	7,743	51,499	7,725
1903-1904	1,346	202	12,860	1,929	11,514	1,727
1904-1905	1,123	168	21,101	3,165	19,978	2,997
1905-1906	1,005	151	23,717	3,568	22,712	3,407
1906-1907	1,600	240	17,628	2,644	16,028	2,404
1907-1908	1,945	292	28,478	4,272	26,533	3,980
1908-1909	1,267	190	51,627	7,744	50,360	7,554
1909-10	923	138	24,931	3,740	24,008	3,602
1910-11	1,365	205	13,224	1,984	11,859	1,779
Calendar year:						
1912	2,715	407	42,087	6,313	39,372	-5,906
1913	8,307	1,246	24,606	3,691	16,299	-2,445
1914	15,322	2,298	10,966	1,645	4,356	653
1915	22,786	3,418	2,063	309	20,723	3,109
1916	56,433	8,465	1,531	230	54,902	8,235
1917	28,241	4,236	870	131	27,371	4,105
1918	36,947	5,542	1,741	261	35,206	5,281
1919	67,052	10,058	1,919	288	65,133	9,770
1920	76,597	11,490	5,270	791	71,327	10,699
1921	82,599	12,390	2,827	424	79,772	11,966
1922	61,410	9,211	3,638	546	57,772	8,665
1923	68,762	10,314			68,762	10,314
1924	95,053	14,258			95,053	14,258
1925	63,832	9,575			63,832	9,575
1926	58,951	8,843			58,951	8,843
1927	10,932	1,040			10,932	1,040
1928	1,044	167			1,044	167
1929	168	25			168	25
1930	118	18			118	18
1931	0	0			0	0
1932	0	0			0	0
1933	14	2			14	2
1934	0	0			0	0
1935 ²	11	2			11	2

¹ Not separately reported prior to this date.

² Not separately reported after 1922.

³ Preliminary.

Compiled from Foreign Commerce and Navigation of the United States. Cottonseed converted to oil equivalent, using 0.15.

TABLE 43.—*Hempseed and hempseed oil: Imports, 1929-35, and production, 1934-35*

Calendar year	Hempseed ¹	Hempseed oil		Calendar year	Hempseed ¹	Hempseed oil	
	Imports for consumption	Factory production	Imports for consumption		Imports for consumption	Factory production	Imports for consumption
	1,000 lb.	1,000 lb.	1,000 lb.		1,000 lb.	1,000 lb.	1,000 lb.
1929.....	5,847	-----	-----	1933.....	4,538	-----	60
1930.....	5,394	-----	40	1934.....	12,981	¹ (2,000)	413
1931.....	3,596	-----	-----	1935 ²	116,682	² 17,077	340
1932.....	6,375	-----	-----				

¹ It is believed by the U. S. Tariff Commission, Bureau of the Census, and others, that prior to 1934 imports of hempseed were almost entirely used for purposes other than crushing, probably chiefly for birdseed. There are no reports of factory production in 1933, but the Oil, Paint, and Drug Reporter quotes prices of domestically crushed hempseed oil beginning January 1933. Neither are there reports of factory production of hempseed oil in 1934, but based on the oil equivalent of the excess of 1934 imports of seed over the amount of seed imports 1929-33, it seems probable that about 2,000,000 pounds of hempseed oil may have been produced in 1934.

² Preliminary.

³ Not previously reported.

Compiled as follows: Imports from Foreign Commerce and Navigation of the United States. Production, 1934 estimated, 1935 from Bureau of the Census, Animal and Vegetable Fats and Oils.

TABLE 44.—*Kapok seed and kapok oil: Imports, 1930-35*

Calendar year	Imports for consumption, kapok seed		Imports of kapok oil	Calendar year	Imports for consumption, kapok seed		Imports of kapok oil
	As seed	Oil equivalent (18 percent)			As seed	Oil equivalent (18 percent)	
	1,000 lb.	1,000 lb.	1,000 lb.		1,000 lb.	1,000 lb.	1,000 lb.
1930 ¹	221	40	-----	1933 ³	(⁴)	(⁴)	-----
1931.....	0	0	-----	1934.....	14,618	2,631	⁵ 336
1932 ²	368	66	-----	1935 ⁶	12,713	2,288	-----

¹ June 18-Dec. 31, 1930. Not previously reported.

² Includes 350,000 pounds from Philippine Islands in March, and 18,200 pounds from Dutch East Indies in November 1932.

³ All from Dutch East Indies in March 1933.

⁴ Less than 500 pounds.

⁵ From report by American Vice Consul John J. MacDonald, Batavia, Java, Sept. 15, 1934. Not separately reported by Department of Commerce; not included in summary tables.

⁶ Preliminary.

Compiled from Foreign Commerce and Navigation of the United States.

TABLE 45.—*Linseed oil: Production, trade, stocks, Dec. 31, and apparent disappearance, 1912-35*

[Net exports are indicated by a minus sign]

Calendar year	Production	Net exports or net imports	Stocks, Dec. 31	Apparent disappearance	Calendar year	Production	Net exports or net imports	Stocks, Dec. 31	Apparent disappearance
	1,000 lb.	1,000 lb.	1,000 lb.	1,000 lb.		1,000 lb.	1,000 lb.	1,000 lb.	1,000 lb.
1912.....	461,656	-1,017	.....	460,639	1924.....	705,586	10,860	106,990	706,968
1913.....	613,977	-10,718	.....	603,259	1925.....	763,822	11,120	155,847	726,085
1914.....	507,422	2,355	.....	509,777	1926.....	720,110	12,474	174,243	714,188
1915.....	511,588	-0,382	.....	502,206	1927.....	776,714	-1,579	193,862	755,616
1916.....	531,586	-5,469	.....	526,117	1928.....	751,445	-1,792	158,033	785,582
1917.....	482,199	-10,852	.....	471,347	1929.....	763,576	7,753	140,856	788,506
1918.....	375,452	-5,610	.....	369,842	1930.....	516,328	533	113,423	544,292
1919.....	452,928	4,824	81,406	457,752	1931.....	520,735	-859	154,484	478,815
1920.....	485,272	29,833	104,111	492,400	1932.....	625,569	-817	121,770	358,466
1921.....	482,818	50,574	123,728	519,875	1933.....	405,948	10,429	157,736	380,411
1922.....	456,514	141,434	81,564	640,112	1934.....	370,769	12,128	113,721	416,912
1923.....	653,564	40,084	97,512	677,700	1935 ²	502,043	1,246	146,526	470,484

¹ Imports for consumption, beginning January 1934.² Preliminary.

Compiled as follows: Production, 1912, 1914, 1916-18, Supplement to U. S. Department of Agriculture Bulletin No. 789; 1913, 1915, oil equivalent of production of flaxseed preceding year minus seed requirements and plus net imports of flaxseed. Production and stocks, 1919-35, Bureau of the Census, Animal and Vegetable Fats and Oils; production is from domestic and imported flaxseed; stocks are mill and warehouse (or crushers) stocks and do not take account of stocks in hands of local dealers, in transit, etc. Trade figures, Foreign Commerce and Navigation of the United States and December issues of the Monthly Summary of Foreign Commerce of the United States. Apparent disappearance computed from table.

TABLE 46.—*Linseed oil: Imports, exports, and net exports or net imports, 1912-35*

[Net exports are indicated by a minus sign]

Calendar year	Imports	Exports	Net exports or net imports		
			Linseed oil	Flaxseed, oil equivalent	Total
	1,000 lb.	1,000 lb.	1,000 lb.	1,000 lb.	1,000 lb.
1912.....	2,134	3,151	-1,017	144,384	143,367
1913.....	1,213	11,931	-10,718	116,366	105,648
1914.....	4,350	1,993	2,355	170,438	172,793
1915.....	663	10,045	-9,382	270,332	260,950
1916.....	711	6,180	-5,469	242,021	236,552
1917.....	633	11,465	-10,852	173,510	162,658
1918.....	196	5,806	-5,610	239,281	233,671
1919.....	16,143	11,266	4,824	259,082	263,906
1920.....	35,200	5,366	29,833	454,617	484,450
1921.....	60,091	3,512	66,574	227,783	284,357
1922.....	144,137	2,703	141,434	275,651	416,985
1923.....	43,097	3,013	40,084	449,661	489,746
1924.....	13,247	2,387	10,860	306,562	317,422
1925.....	13,607	2,487	11,120	305,099	316,219
1926.....	15,041	2,567	12,474	416,724	429,198
1927.....	946	2,525	-1,579	403,246	401,667
1928.....	173	1,985	-1,792	324,852	323,060
1929.....	0,961	2,208	7,753	448,009	455,762
1930.....	2,125	1,592	533	234,001	234,534
1931.....	235	1,094	-859	267,699	266,740
1932.....	25	842	-817	146,340	145,523
1933.....	11,257	828	10,429	255,489	266,918
1934.....	12,781	653	2,128	261,862	263,990
1935 ¹	2,232	986	1,246	324,503	325,749

¹ Imports for consumption, beginning January 1934.² Preliminary.

Compiled from Foreign Commerce and Navigation of the United States and December issues of the Monthly Summary of Foreign Commerce of the United States. Net figures computed from imports for consumption minus domestic exports or general imports minus domestic exports and reexports. Reexports are negligible, appearing only 5 times, as follows: 2,000 pounds in 1914; 20,000 pounds in 1917; 63,000 pounds in 1919; 1,000 pounds in 1920; and 5,000 pounds in 1921.

TABLE 47.—*Linseed oil equivalent of domestic and imported flaxseed available for crushing, net exports or net imports of linseed oil, and apparent disappearance, 1889-90 to 1918-19*

[Net exports are indicated by a minus sign]

Year	Linseed oil equivalent of flaxseed (33 percent)			Year beginning July	
	Domestic production minus seed requirements ¹	Net exports or net imports, year beginning July	Total	Linseed oil, net exports or net imports	Apparent disappearance
	1,000 lb.	1,000 lb.	1,000 lb.	1,000 lb.	1,000 lb.
1889	175,043	43,918	218,961	-591	218,370
1890	335,523	25,330	360,853	-489	360,364
1891	296,050	-61,514	234,536	-708	233,738
1892	206,292	-31,855	174,437	-724	173,683
1893	179,127	-26,889	152,238	-690	151,548
1894	175,006	76,960	251,975	144	252,119
1895	378,655	10,784	389,439	-413	389,026
1896	315,195	-85,533	229,662	-805	228,857
1897	227,008	-2,279	224,729	-650	224,079
1898	322,763	-50,803	271,950	-777	271,173
1899	343,506	-49,461	294,055	-754	293,301
1900	267,239	-21,161	246,078	-644	245,434
1901	474,308	-63,971	410,337	-483	409,854
1902	637,375	-73,529	563,846	-1,222	562,624
1903	449,323	-10,074	439,249	-2,351	436,898
1904	395,584	5,448	401,012	-1,959	399,053
1905	506,500	-109,703	396,797	-2,065	394,732
1906	485,747	-115,463	370,284	-3,271	367,013
1907	417,962	-78,194	339,768	-2,673	337,095
1908	361,068	-5,345	356,623	-1,837	354,786
1909	340,032	91,241	431,273	1,794	433,067
1910	186,057	194,008	380,065	28,382	408,447
1911	315,398	125,952	441,350	3,671	446,021
1912	501,954	97,524	599,478	-11,701	587,777
1913	264,615	164,266	418,881	-350	418,531
1914	228,819	195,867	424,686	-5,076	419,610
1915	196,276	271,224	467,500	-4,980	462,520
1916	201,229	229,022	430,251	-8,181	422,070
1917	138,785	240,600	385,385	-8,508	376,877
1918	224,218	155,440	379,658	-798	378,860

¹ Oil equivalent of production of flaxseed year shown minus seed requirements for the following year.

Compiled as follows: Equivalents computed in Bureau of Agricultural Economics. Trade figures, Foreign Commerce and Navigation of the United States. Apparent disappearance computed from table. For apparent disappearance beginning July 1, 1919 (which is computed from reported factory production) see table 48.

TABLE 48.—*Linseed oil: Production, trade, stocks June 30, and apparent disappearance, 1919-20 to 1935-36*

[Net exports are indicated by a minus sign]

Year beginning July—	Factory production	Net exports or net imports	Stocks at end of period	Apparent disappearance	Year beginning July—	Factory production	Net exports or net imports	Stocks at end of period	Apparent disappearance
	1,000 lb.	1,000 lb.	1,000 lb.	1,000 lb.		1,000 lb.	1,000 lb.	1,000 lb.	1,000 lb.
1919-20	507,815	25,005	64,371	523,144	1928-29	737,533	4,657	123,548	809,834
1920-21	484,313	10,764	83,707	475,741	1929-30	651,038	3,287	108,842	660,031
1921-22	440,424	165,961	97,063	593,029	1930-31	488,545	-1,042	78,205	518,140
1922-23	594,750	53,669	81,462	664,010	1931-32	438,703	-845	110,954	399,169
1923-24	673,918	15,212	74,137	699,455	1932-33	318,120	-745	86,477	347,852
1924-25	751,340	21,182	126,793	719,866	1933-34	442,796	* 11,866	128,406	412,733
1925-26	703,855	14,398	129,721	715,325	1934-35 ²	464,090	2,290	104,949	429,807
1926-27	749,947	-1,407	152,892	725,369	1935-36 ³	505,530	139	140,603	469,962
1927-28	810,003	-1,875	191,192	770,423					

¹ Stocks June 30, 1919, were 54,095,000 pounds.

² Imports for consumption, beginning January 1934.

³ Preliminary.

Compiled as follows: Production and stocks, Bureau of the Census, Animal and Vegetable Fats and Oils; factory production is from domestic and imported seed; stocks are mill and warehouse (or crushers') stocks and do not take account of stocks in hands of local dealers, in transit, etc. Trade figures, Foreign Commerce and Navigation of the United States and June issues of the Monthly Summary of Foreign Commerce of the United States. Apparent disappearance computed from table. Factory production, year beginning July, not available prior to 1920. For apparent disappearance 1890-1919, see table 47.

TABLE 49.—*Linseed oil: Imports, exports, reexports, and net exports or net imports, 1849-50, 1859-60, 1869-70 to 1935-36*

[Net exports are indicated by a minus sign]

Year beginning July--	Imports for consumption 1,000 lb.	Exports 1,000 lb.	Net exports or net imports		
			Linseed oil 1,000 lb.	Flaxseed oil equivalent 1,000 lb.	Total 1,000 lb.
1849-50.....	11,348	101	11,247	12,287	23,534
1850-60.....	4,324	284	4,040	(?)	-----
1860-70.....	972	164	808	51,583	52,391
1870-71.....	296	284	12	76,014	76,026
1871-72.....	112	213	-101	54,254	54,153
1872-73.....	56	356	-300	45,330	45,030
1873-74.....	517	155	352	48,936	49,288
1874-76.....	289	243	46	60,915	60,961
1875-76.....	26	227	-201	50,924	50,723
1876-77.....	7	446	-439	26,531	26,092
1877-78.....	50	292	-242	23,846	23,604
1878-79.....	34	230	-196	18,650	18,454
1879-80.....	899	238	611	27,058	27,669
1880-81.....	73	541	-468	16,776	16,308
1881-82.....	19	394	-375	11,736	11,361
1882-83.....	91	405	-314	11,785	11,471
1883-84.....	67	542	-475	52,654	52,179
1884-85.....	86	470	-384	47,103	46,719
1885-86.....	14	592	-578	18,548	17,970
1886-87.....	40	899	-859	7,672	6,813
1887-88.....	56	691	-635	28,583	27,948
1888-89.....	78	543	-465	80,235	79,770
1889-90.....	79	670	-591	43,918	43,327
1890-91.....	87	576	-489	25,330	24,841
1891-92.....	45	843	-798	-61,514	-62,312
1892-93.....	56	780	-724	-31,885	-32,609
1893-94.....	6	696	-690	-26,889	-27,579
1894-95.....	614	470	144	76,969	77,113
1895-96.....	91	504	-413	10,784	10,371
1896-97.....	29	834	-805	-85,533	-86,338
1897-98.....	26	676	-650	-2,279	-2,929
1898-99.....	25	802	-777	-50,803	-51,580
1899-1900.....	22	776	-754	-49,451	-50,205
1900-01.....	105	749	-644	-21,161	-21,805
1901-02.....	283	766	-483	-63,971	-64,454
1902-03.....	145	1,367	-1,222	-73,520	-74,751
1903-04.....	172	2,523	-2,351	-10,074	-12,425
1904-05.....	157	2,116	-1,959	5,448	3,489
1905-06.....	251	2,346	-2,095	-109,703	-111,798
1906-07.....	106	3,377	-3,271	-115,463	-118,734
1907-08.....	86	2,759	-2,673	-78,194	-80,867
1908-09.....	211	2,048	-1,837	-5,345	-7,182
1909-10.....	3,507	1,713	1,794	91,241	93,035
1910-11.....	29,696	1,314	28,382	194,008	222,390
1911-12.....	5,529	1,852	3,671	125,952	129,623
1912-13.....	1,303	13,004	-11,701	97,524	85,823
1913-14.....	1,442	1,794	-350	154,266	153,916
1914-15.....	4,010	9,091	-5,076	195,867	190,791
1915-16.....	370	5,356	-4,980	271,224	266,244
1916-17.....	831	9,012	-8,181	229,022	220,841
1917-18.....	381	8,009	-8,508	246,600	238,092
1918-19.....	7,424	8,222	-798	155,440	154,642
1919-20.....	34,128	8,523	25,605	431,378	456,983
1920-21.....	14,974	4,210	10,764	298,802	309,566
1921-22.....	168,705	2,744	165,961	251,879	417,840
1922-23.....	56,764	3,105	53,659	462,106	515,765
1923-24.....	17,840	2,628	15,212	861,778	376,990
1924-25.....	23,587	2,405	21,182	247,985	269,167
1925-26.....	16,733	2,335	14,398	357,657	372,055
1926-27.....	1,331	2,738	-1,407	447,659	446,252
1927-28.....	346	2,221	-1,875	334,711	332,836
1928-29.....	6,577	2,020	4,557	434,106	438,523
1929-30.....	5,416	2,129	3,287	363,172	368,459
1930-31.....	256	1,298	-1,042	144,381	143,339
1931-32.....	28	873	-845	255,935	255,090
1932-33.....	36	781	-745	114,809	114,064
1933-34.....	12,562	696	11,866	330,897	342,763
1934-35.....	3,085	795	2,290	283,331	285,621
1935-36 ¹	1,161	1,022	1,139	284,376	284,514

¹ Imports for consumption, 1849-50, 1869-70 to 1870-71, and beginning January 1934.² Import data for 1859-60 are not reliable.³ Preliminary.

Compiled from Foreign Commerce and Navigation of the United States and June issues of the Monthly Summary of Foreign Commerce of the United States. Net imports computed from imports for consumption minus domestic exports or general imports minus domestic exports and reexports. Reexports are negligible, appearing only 5 times as follows: 6,000 pounds in 1912; 2,000 pounds in 1914, and 20,000 pounds in 1918. The other 2 years were less than 600 pounds.

TABLE 50.—Flaxseed: Acreage, production, yield per acre, seed requirements, trade, stocks July 1, and crushings, 1920-36

Year	Acreage		Production	Average yield per acre harvested	Seed requirements for following year	Year beginning July 1								
	Seeded	Harvested				Net imports	Stocks, July 1				Crushings	Total supply	Total accounted for ⁴	Balance ⁵
							Factory or crushers ¹	Market or commercial ²	Farm ³	Total ³				
	1,000 acres	1,000 acres	1,000 bushels	Bushels	1,000 bushels	1,000 bushels	1,000 bushels	1,000 bushels	1,000 bushels	1,000 bushels	1,000 bushels	1,000 bushels	1,000 bushels	1,000 bushels
1920	1,745	1,647	10,900	6.6	631	16,169	2,662	479			25,558		31,869	
1921	1,180	1,143	8,107	7.1	597	13,630	1,806	2,384	1,490	5,680	23,504	27,417	25,488	1,929
1922	1,125	1,113	10,520	9.5	1,079	25,006	887	185	315	1,387	31,062	36,913	35,639	1,274
1923	2,045	2,015	16,563	8.2	1,864	19,577	2,002	140	1,356	3,498	36,202	39,638	39,922	-284
1924	3,570	3,535	31,220	8.8	1,633	13,419	1,209	141	506	1,856	40,724	46,495	46,330	165
1925	3,100	3,022	22,334	7.4	1,506	19,354	2,256	617	1,100	3,973	38,037	45,661	44,256	1,405
1926	2,835	2,736	18,531	6.8	1,491	24,224	2,707	1,304	702	4,713	40,582	47,468	47,723	-255
1927	2,819	2,763	25,174	9.1	1,398	18,112	3,490	1,445	715	5,650	43,243	48,936	48,811	125
1928	2,639	2,611	19,118	7.3	1,738	23,494	3,034	781	355	4,170	39,595	46,782	46,352	430
1929	3,353	3,049	15,924	5.2	2,288	19,652	3,605	434	980	5,019	35,504	40,595	41,014	-419
1930	4,466	3,730	21,673	5.7	1,955	7,813	2,328	433	451	3,222	27,054	32,708	31,492	1,216
1931	3,724	2,431	11,755	4.8	1,361	13,849	1,198	802	483	2,483	23,700	28,087	27,961	126
1932	2,691	1,988	11,511	5.8	929	6,213	1,459	901	540	2,900	17,370	20,624	20,399	225
1933	1,812	1,341	6,904	5.1	825	17,901	854	960	286	2,100	23,006	26,905	26,344	561
1934	1,588	995	5,661	5.7	831	15,332	1,421	646	446	2,513	20,720	23,506	23,732	-226
1935 ⁶	2,392	2,096	14,520	6.9	1,300	15,388	1,464	344	373	2,181	26,544	32,089	31,175	914
1936 ⁶	2,497	1,180	5,908	5.0			2,222	743	356	3,331				

¹ Factory and warehouse stocks of imported and domestic flaxseed in the hands of crushers and held by importers and exporters.

² Market (commercial) stocks of domestic flaxseed in store in public and private elevators in 41 markets and flaxseed afloat in vessels or barges, in harbors of lake and seaboard ports. Does not include flaxseed in transit either by rail or water, stocks in hands of crushers, or elevators attached to crushers.

³ Estimated by Bureau of Agricultural Economics. These are farm and country elevator stocks as indicated by flaxseed movement to principal markets (Minneapolis, Duluth, and Milwaukee) from July 1 to beginning of marketing of new crop.

⁴ As crushings, seed for following year, and stocks at end of crop year.

⁵ Balance unaccounted for at end of year.

⁶ Preliminary.

Compiled as follows: Acreage, production, yield per acre, seed requirements and market stocks from the Bureau of Agricultural Economics. Trade figures from Foreign Commerce and Navigation of the United States, and June issues of the Monthly Summary of Foreign and Domestic Commerce of the United States. Crushings and factory stocks from Bureau of the Census, Animal and Vegetable Fats and Oils.

TABLE 51.—Flaxseed: Production, seed requirements, and oil equivalent, 1849, 1859, 1869, 1879, and 1889-1935

Year	Production	Seed requirements for following year ¹	Production minus seed requirements for following year		Oil equivalent as percentage of total disappearance of oil year beginning July ²	Year	Production	Seed requirements for following year ¹	Production minus seed requirements for following year		Oil equivalent as percentage of total disappearance of oil year beginning July ²
			Flaxseed	Oil equivalent ²					Flaxseed	Oil equivalent ²	
	1,000 bu.	1,000 bu.	1,000 bu.	1,000 lb.	Percent		1,000 bu.	1,000 bu.	1,000 bu.	1,000 lb.	Percent
1840	562	25	537	9,924	30	1911	18,537	1,470	17,067	315,398	71
1850	567	25	542	10,016	-----	1912	28,139	977	27,162	501,954	85
1869	2,100	80	2,020	37,330	42	1913	15,099	780	14,319	294,615	63
1879	7,171	300	6,871	126,976	82	1914	12,940	558	12,382	228,819	55
1889	10,614	1,142	9,472	175,043	80	1915	11,270	649	10,621	196,276	42
1890	19,176	1,020	18,156	335,523	93	1916	11,829	940	10,889	201,229	48
1891	16,732	712	10,020	296,050	127	1917	8,402	892	7,510	138,785	37
1892	11,807	644	11,163	206,292	119	1918	12,779	646	12,133	224,218	59
1893	10,421	728	9,693	179,127	118	1919	6,770	913	5,857	108,237	21
1894	10,400	1,020	9,470	175,006	69	1920	10,900	631	10,269	189,771	40
1895	21,414	924	20,490	378,655	97	1921	8,107	597	7,510	138,785	23
1896	18,516	682	17,834	315,195	138	1922	10,520	1,079	9,441	174,470	26
1897	13,238	954	12,284	227,008	101	1923	16,563	1,864	14,699	271,638	39
1898	18,516	1,051	17,465	322,753	119	1924	31,220	1,633	29,587	546,708	76
1899	19,969	1,381	18,588	343,506	117	1925	22,334	1,500	20,834	384,901	54
1900	16,017	1,556	14,461	267,239	100	1926	18,531	1,491	17,040	314,899	43
1901	27,605	1,939	25,666	474,308	116	1927	25,174	1,398	23,776	439,380	57
1902	36,080	1,590	34,490	637,375	113	1928	19,118	1,738	17,380	321,182	40
1903	25,360	1,046	24,314	449,323	103	1929	15,924	2,288	13,636	251,993	38
1904	22,625	1,220	21,405	395,564	99	1930	21,673	1,955	19,718	364,389	70
1905	28,692	1,284	27,408	506,500	128	1931	11,755	1,361	10,394	192,081	48
1906	27,635	1,350	26,285	485,747	132	1932	11,511	952	10,559	195,130	56
1907	23,793	1,176	22,617	417,962	124	1933	6,904	900	6,001	110,954	27
1908	20,627	1,040	19,587	361,969	102	1934	5,661	831	4,830	89,258	21
1909	19,511	1,111	18,400	340,032	79	1935	14,520	1,300	13,220	244,306	52
1910	11,384	1,310	10,068	186,057	46	1936	5,908	-----	-----	-----	-----

¹ Seed requirements of 25,000 bushels for 1850, and 1860, and of 80,000 bushels for 1870, and 300,000 bushels for 1890-1919, seeded acreage is not available; a rough estimate of seed requirements was made on basis of one half bushel per harvested acre. This is somewhat short of actual requirements. Beginning 1920, estimates are made by the Bureau of Agricultural Economics and based on 0.5 bushels per seeded acre for certain States and 0.6 bushels for other States.

² Computed on basis of a yield of 33 percent (56 pounds per bushel). Probably too high for the earlier years, as methods of extraction and use must have given a lower return of oil than is obtained now.

³ See tables 47 and 48.

⁴ Preliminary.

Compiled as follows: Production, 1849, 1859, from census reports of those years, published in Crop Reporter, December 1903, p. 65. Production and acreage, 1869-1935, Bureau of Agricultural Economics.

TABLE 52.—Flaxseed: Imports, exports, reexports and net imports, 1912-35

Calendar year	Imports		Exports		Reexports		Net imports	
	Raw material	Oil equivalent	Raw material	Oil equivalent	Raw material	Oil equivalent	Raw material	Oil equivalent
	1,000 bu.	1,000 lb.	1,000 bu.	1,000 lb.	1,000 bu.	1,000 lb.	1,000 bu.	1,000 lb.
1912.....	7,833	144,757	20	373	0	0	7,813	144,384
1913.....	6,580	121,001	283	5,232	(1)	3	6,297	116,306
1914.....	9,247	170,876	24	438	(1)	(1)	9,223	170,438
1915.....	14,097	271,594	5	94	63	1,108	14,028	270,332
1916.....	13,098	242,061	2	30	0	0	13,096	242,021
1917.....	9,394	173,606	5	96	0	0	9,389	173,510
1918.....	12,974	239,768	26	471	1	16	12,948	239,281
1919.....	14,036	259,389	17	307	(1)	(1)	14,020	259,082
1920.....	24,641	455,369	10	291	25	461	24,601	454,617
1921.....	12,326	227,789	(1)	6	(1)	(1)	12,326	227,783
1922.....	14,913	275,595	2	44	0	0	14,911	275,551
1923.....	24,332	449,661	(2)	-----	(2)	-----	24,332	449,661
1924.....	16,589	306,562	-----	-----	-----	-----	16,589	306,562
1925.....	16,510	305,099	-----	-----	-----	-----	16,510	305,099
1926.....	22,550	416,724	-----	-----	-----	-----	22,550	416,724
1927.....	21,821	403,246	-----	-----	-----	-----	21,821	403,246
1928.....	17,579	324,852	-----	-----	-----	-----	17,579	324,852
1929.....	24,243	448,009	-----	-----	-----	-----	24,243	448,009
1930.....	12,662	234,001	-----	-----	-----	-----	12,662	234,001
1931.....	14,480	267,599	-----	-----	-----	-----	14,480	267,599
1932.....	7,919	146,340	-----	-----	-----	-----	7,919	146,340
1933.....	13,825	255,489	-----	-----	-----	-----	13,825	255,489
1934 ¹	14,170	261,862	-----	-----	-----	-----	14,170	261,862
1935 ²	17,560	324,503	-----	-----	-----	-----	17,560	324,503

¹ Less than 500.² Not separately stated since 1922.³ Imports for consumption, beginning January 1934.⁴ Preliminary.

Compiled from Foreign Commerce and Navigation of the United States and December Issues of the Monthly Summary of Foreign Commerce of the United States. Flaxseed (56 pounds per bushel) converted to oil equivalent, using 33 percent.

TABLE 53.—Flaxseed: Imports, exports, reexports, and net exports or net imports, 1849-50, 1869-70 to 1935-36

[Net exports are indicated by a minus sign]

Year beginning July—	Imports		Exports		Reexports		Net exports or net imports	
	Raw material	Oil equivalent	Raw material	Oil equivalent	Raw material	Oil equivalent	Raw material	Oil equivalent
	1,000 bu.	1,000 lb.	1,000 bu.	1,000 lb.	1,000 bu.	1,000 lb.	1,000 bu.	1,000 lb.
1849-50.....	1,667	12,333	3	46	-----	-----	864	12,287
1869-70.....	2,791	51,584	(2)	1	-----	-----	2,791	51,583
1870-71.....	4,114	76,019	(2)	5	-----	-----	4,113	76,014
1871-72.....	2,936	54,285	1	11	-----	-----	2,936	54,284
1872-73.....	2,453	45,330	(3)	0	-----	-----	2,453	45,330
1873-74.....	2,648	48,941	(2)	5	-----	-----	2,648	48,936
1874-75.....	3,783	69,916	(3)	1	-----	-----	3,783	69,915
1875-76.....	2,756	50,926	(2)	2	-----	-----	2,756	50,924
1876-77.....	1,446	28,715	(2)	(2)	10	184	1,436	28,531
1877-78.....	1,291	23,851	(2)	5	-----	-----	1,290	23,846
1878-79.....	1,009	18,651	(2)	1	-----	-----	1,009	18,650
1879-80.....	1,464	27,058	-----	-----	-----	-----	1,464	27,058
1880-81.....	908	16,783	-----	-----	(2)	7	908	16,776
1881-82.....	635	11,736	-----	-----	-----	-----	635	11,736
1882-83.....	638	11,785	-----	-----	-----	-----	638	11,785
1883-84.....	2,849	52,654	-----	-----	(2)	(2)	2,849	52,654
1884-85.....	2,549	47,103	-----	-----	-----	-----	2,549	47,103
1885-86.....	1,035	19,119	-----	-----	-----	-----	1,004	18,548
1886-87.....	415	7,673	-----	-----	(2)	31	415	7,672

¹ Imports for consumption 1849-50, 1869-70, 1870-71, and beginning January 1934.² Less than 500.

TABLE 53.—*Flaxseed: Imports, exports, reexports, and net exports or net imports, 1849-50, 1869-70 to 1935-36—Continued*

[Net exports are indicated by a minus sign]

Year beginning July—	Imports		Exports		Reexports		Net exports or net imports	
	Raw material	Oil equivalent	Raw material	Oil equivalent	Raw material	Oil equivalent	Raw material	Oil equivalent
1887-88	1,584	29,272	37	689			1,547	28,583
1888-89	3,239	60,235			(?)	(?)	3,259	60,235
1889-90	2,391	44,189	15	271			2,376	43,918
1890-91	1,516	28,007	145	2,677	(?)	(?)	1,371	25,330
1891-92	285	5,299	3,164	66,783			-3,329	-61,514
1892-93	112	2,070	1,837	33,955			-1,725	-31,885
1893-94	593	10,955	2,048	37,844			-1,455	-26,889
1894-95	4,166	76,992	1	23			4,165	76,969
1895-96	755	13,943	80	1,487		1,672	584	10,784
1896-97	105	1,945	4,714	87,110	20	368	-4,628	-85,533
1897-98	136	2,515	257	4,754	2	40	-123	-2,279
1898-99	82	1,514	2,831	52,317			-2,749	-60,803
1899-1900	67	1,245	2,743	50,696			-2,676	-49,451
1900-1901	1,632	30,154	2,756	50,925	21	390	-1,145	-21,161
1901-2	477	8,818	3,874	71,592	65	1,197	-3,462	-63,971
1902-3	129	2,388	4,128	76,288	20	373	-4,019	-73,529
1903-4	213	3,941	758	14,015			-545	-10,074
1904-5	296	5,473	1	25	(?)	(?)	295	5,448
1905-6	52	965	5,989	110,668			-5,936	-109,703
1906-7	90	1,670	6,336	117,095	2	38	-6,248	-115,463
1907-8	57	1,061	4,277	79,045	11	211	-4,231	-78,194
1908-9	594	10,971	883	16,316			-289	-5,345
1909-10	5,002	92,446	65	1,205			4,937	91,241
1910-11	10,499	194,026	1	18			10,498	194,008
1911-12	6,842	126,437	4	80	22	405	6,816	125,952
1912-13	5,294	97,839	17	312	(?)	3	5,277	97,524
1913-14	8,653	159,912	306	5,646			8,347	154,266
1914-15	10,666	197,112	4	77	63	1,168	10,599	195,867
1915-16	14,679	271,272	3	48	(?)	(?)	14,676	271,224
1916-17	12,394	229,041	1	19			12,393	229,022
1917-18	13,367	247,013	21	397	1	16	13,345	246,600
1918-19	8,427	155,729	16	288	(?)	1	8,411	155,440
1919-20	23,392	432,283	24	444	25	461	23,343	431,378
1920-21	16,170	298,829	1	27	(?)	(?)	16,169	298,802
1921-22	13,632	251,921	2	42	(?)	(?)	13,630	251,879
1922-23	25,006	462,110	(? 3)	4	(? 3)	(?)	25,006	462,106
1923-24	19,577	361,778					19,577	361,778
1924-25	13,419	247,985					13,419	247,985
1925-26	19,354	357,657					19,354	357,657
1926-27	24,224	447,659					24,224	447,659
1927-28	18,112	334,711					18,112	334,711
1928-29	23,494	434,166					23,494	434,166
1929-30	19,652	363,172					19,652	363,172
1930-31	7,813	144,381					7,813	144,381
1931-32	13,849	255,935					13,849	255,935
1932-33	6,213	114,809					6,213	114,809
1933-34 ¹	17,906	330,897					17,906	330,897
1934-35 ²	15,332	283,331					15,332	283,331
1935-36 ³	15,388	284,375					15,388	284,375

¹ Imports for consumption 1849-50, 1869-70, 1870-71, and beginning January 1934.

² Less than 500.

³ July-December not separately reported after December 1922.

⁴ Preliminary.

Compiled from Foreign Commerce and Navigation of the United States, and June issues of the Monthly Summary of Foreign Commerce of the United States. Flaxseed (56 pounds per bushel) converted to oil equivalent, using 33 percent.

TABLE 54.—Flaxseed crushed in the United States, annually and by quarters, 1919–36

Year	Calendar year	Year beginning July	January-March	April-June	July-September	October-December
	<i>1,000 bu.</i>	<i>1,000 bu.</i>	<i>1,000 bu.</i>	<i>1,000 bu.</i>	<i>1,000 bu.</i>	<i>1,000 bu.</i>
1919	24,705	27,326	4,872	5,250	6,899	7,694
1920	25,626	25,558	6,336	6,407	6,542	6,341
1921	26,026	23,504	6,343	6,332	5,812	7,539
1922	24,234	31,062	6,713	3,440	5,479	8,602
1923	34,174	36,202	8,202	8,689	8,223	8,970
1924	38,089	40,724	9,575	9,434	7,550	11,530
1925	41,264	38,038	12,516	9,128	7,822	11,798
1926	39,003	40,582	10,651	7,767	9,500	11,085
1927	41,747	43,243	11,034	8,963	9,051	12,699
1928	40,287	39,595	11,855	9,608	7,603	11,191
1929	41,059	35,504	10,839	9,962	10,321	9,947
1930	28,514	27,054	7,966	7,270	5,887	7,391
1931	28,499	27,700	6,571	7,205	7,610	7,113
1932	17,714	17,370	5,393	3,584	3,739	4,998
1933	21,467	23,006	4,365	4,268	6,074	6,760
1934	19,034	20,720	5,156	5,016	4,293	4,569
1935	26,140	26,544	5,754	6,104	5,998	8,284
1936 ¹			7,094	5,168	4,817	

¹ Preliminary.

Computed from Bureau of the Census, Animal and Vegetable Fats and Oils.

TABLE 55.—Mustard seed: *Crushings, stocks Dec. 31, and imports, 1919–35*

Calendar year	Crushings ¹		Stocks, Dec. 31		Imports of seed ¹
	Seed	Oil equivalent (23 percent)	Seed	Oil equivalent	
	<i>1,000 lb.</i>	<i>1,000 lb.</i>	<i>1,000 lb.</i>	<i>1,000 lb.</i>	<i>1,000 lb.</i>
1919	7,006	1,611	968	223	14,226
1920	6,286	1,446	2,440	561	9,063
1921	6,144	1,413	2,836	652	7,564
1922	3,690	828	3,582	819	14,576
1923	4,080	938	2,656	611	13,871
1924	2,596	597	2,008	462	13,450
1925	3,592	826	2,440	561	14,092
1926	3,018	694	1,344	309	14,755
1927	2,586	595	2,420	557	24,325
1928	2,764	636	2,638	607	16,048
1929	1,856	427	4,856	1,117	17,656
1930	1,016	234	2,956	680	11,828
1931	3,398	782	2,602	598	10,935
1932	1,440	331	2,112	486	10,224
1933	2,698	621	1,782	410	12,054
1934	1,068	246	1,770	407	² 15,098
1935	1,320	304	2,312	532	7,771

¹ Imports are largely for manufacture of the condiment mustard without removal of the oil and are therefore not to be considered as raw material for oil production. Only the amount crushed is included in summary tables of imported oleaginous materials. Reported crushings do not separate foreign and domestic seed. Oil equivalent of seed crushed is included with production from imported materials. Imports or production of mustard oil not separately reported.

² Imports for consumption, beginning January 1934.

Compiled as follows: Crushings and stocks, Bureau of the Census, Animal and Vegetable Fats and Oils. Imports, Foreign Commerce and Navigation of the United States. The fatty product "mustard oil" is not to be confused with the volatile or ethereal oil, "oil of mustard".

TABLE 56.—Olive oil, edible: Production, trade, stocks Dec. 31, and apparent disappearance, 1912-35

Calendar year	Factory production	Imports	Reexports	Net imports	Stocks Dec. 31	Apparent disappearance
	1,000 lb.	1,000 lb.	1,000 lb.	1,000 lb.	1,000 lb.	1,000 lb.
1912.....		43,460	59	43,401		43,401
1913.....		38,844	56	38,788		38,788
1914.....		50,857	52	50,805		50,805
1915.....		47,767	101	47,666		47,666
1916.....		55,435	392	55,043		55,043
1917.....		51,055	436	50,619		50,619
1918.....		1,284	155	1,129		1,129
1919.....	439	67,681	485	67,196	7,443	67,635
1920.....	643	30,591	448	30,143	6,884	31,345
1921.....	974	49,711	197	49,514	6,542	50,830
1922.....	585	61,187	67	61,120	7,869	60,378
1923.....	574	77,190	70	77,120	6,034	79,529
1924.....	1,509	76,186	112	76,074	4,131	79,486
1925.....	532	90,426	343	90,083	7,022	87,724
1926.....	1,383	78,506	106	78,400	3,648	83,157
1927.....	858	75,025	128	74,897	4,806	74,597
1928.....	1,438	82,944	128	82,816	3,916	85,144
1929.....	1,003	96,798	222	96,576	6,114	95,381
1930.....	2,184	92,964	180	92,784	8,390	92,692
1931.....	1,649	70,394	105	70,289	4,051	76,277
1932.....	860	74,274	57	74,217	4,631	74,497
1933.....	2,103	71,963	46	71,917	6,869	71,782
1934.....	1,035	56,008		56,008	1,812	62,100
1935 ¹	664	70,789		70,789	2,986	70,279

¹ Imports for consumption, beginning January 1934.² Preliminary.

Compiled as follows: Production and stocks, Bureau of the Census, Animal and Vegetable Fats and Oils. Trade figures, Foreign Commerce and Navigation of the United States. No exports reported. Apparent disappearance computed from table.

TABLE 57.—Olive oil, inedible: Production, net imports, stocks Dec. 31, and apparent disappearance, 1912-35

Calendar year	Factory production	Net imports	Stocks, Dec. 31	Apparent disappearance
	1,000 lb.	1,000 lb.	1,000 lb.	1,000 lb.
1912.....		5,694		5,694
1913.....		4,229		4,229
1914.....		5,598		5,598
1915.....		4,736		4,736
1916.....		6,263		6,263
1917.....		4,470		4,470
1918.....		3		3
1919.....	102	2,118		2,220
1920.....	8	459		467
1921.....	74	4,164	433	4,238
1922.....		15,517	916	15,034
1923.....	(²)		1,401	(²)
1924.....	24	7,240	1,411	7,254
1925.....		10,884	1,850	10,445
1926.....	19	9,925	2,588	9,205
1927.....	27	6,819	994	8,440
1928.....	13	8,724	1,312	8,419
1929.....	20	10,332	1,461	10,212
1930.....		7,113	1,744	6,830
1931.....		12,045	1,377	12,417
1932.....	5	11,759	1,454	11,682
1933.....	10	12,910	3,006	11,368
1934.....	3	9,670	1,625	11,054
1935 ⁴	8	19,743	2,527	18,849

¹ Includes foots, October-December 1922. Tariff changed September 1922.² Less than 500 pounds.³ Included with foots.⁴ Imports for consumption, beginning January 1934.⁵ Preliminary.

Compiled as follows: Production (from domestic materials) and stocks, Bureau of the Census, Animal and Vegetable Fats and Oils. The data for stocks as reported, 1919-20, are questioned and are therefore omitted. Trade figures, Foreign Commerce and Navigation of the United States. Net imports are general imports minus reexports. No exports reported, reexports not separately reported after 1921; negligible quantities reported for 1914, 1916-17, and 1920-21. Apparent disappearance computed from the table.

TABLE 58.—Olive oil foots: Net imports, stocks Dec. 31, and apparent disappearance 1912-35

Calendar year	Net imports	Stocks, Dec. 31	Apparent disappearance	Calendar year	Net imports	Stocks, Dec. 31	Apparent disappearance
	1,000 pounds	1,000 pounds	1,000 pounds		1,000 pounds	1,000 pounds	1,000 pounds
1912.....	15,733		15,733	1924.....	24,078	5,457	23,626
1913.....	10,446		10,446	1925.....	40,823	7,872	38,408
1914.....	12,971		12,971	1926.....	40,300	5,058	43,114
1915.....	10,792		10,792	1927.....	42,307	6,122	41,243
1916.....	14,167		14,167	1928.....	30,547	6,047	39,622
1917.....	8,299		8,299	1929.....	45,874	8,504	45,417
1918.....	159		159	1930.....	62,788	28,273	43,014
1919.....	6,385	2,636	6,385	1931.....	36,924	8,981	50,216
1920.....	8,640	2,060	8,616	1932.....	45,909	13,505	41,386
1921.....	14,714	1,477	15,297	1933.....	40,464	10,858	43,111
1922.....	¹ 11,270	1,952	¹ 10,795	1934.....	³ 36,166	15,802	31,222
1923.....	² 40,605	4,305	² 37,767	1935 ⁴	33,797	18,095	31,504

¹ January-September only, tariff changed September 1922. October-December included with olive, inedible.
² Includes olive, inedible. Stocks of olive, inedible 1922-23 are used in computing disappearance.
³ Imports for consumption, beginning January 1934.
⁴ Preliminary.

Compiled as follows: No factory production reported. Stocks, Bureau of the Census, Animal and Vegetable Fats and Oils. Trade figures, Foreign Commerce and Navigation of the United States. Not reported prior to July 1911. No exports reported. Reexports not separately reported after 1921; negligible quantities, 1912-21. Net imports are general imports minus reexports. Apparent disappearance computed from the table.

TABLE 59.—Olives, California; Production, percentage crushed for oil, and domestic production of olive oil as a percentage of disappearance, 1920-35

Calendar year	Olives		Olive oil, edible—Domestic factory production as a percentage of total disappearance	Calendar year	Olives		Olive oil, edible—Domestic factory production as a percentage of total disappearance
	Production	Percentage crushed for oil			Production	Percentage crushed for oil	
	1,000 lb.	Percent	Percent		1,000 lb.	Percent	Percent
1920.....	16,000	26.6	2.0	1928.....	47,800	28.3	1.7
1921.....	16,400	40.1	1.9	1929.....	42,000	16.6	1.0
1922.....	20,000	20.1	1.0	1930.....	40,000	36.9	2.4
1923.....	34,000	12.9	0.7	1931.....	32,000	32.9	2.2
1924.....	13,000	89.0	1.9	1932.....	44,000	14.4	1.2
1925.....	28,000	13.8	0.6	1933.....	28,000	50.9	2.9
1926.....	24,000	38.8	1.7	1934.....	32,000	22.0	1.7
1927.....	43,000	13.4	1.2	1935.....	64,000	7.1	0.9

Compiled as follows: Production, Bureau of Agricultural Economics. Percentage crushed computed from this table and table 21. Domestic factory production as a percentage of total disappearance computed from table 68.

TABLE 60.—*Olive oil, edible and inedible: Imports, exports, and net imports, 1854-55 to 1911-12*

Year beginning July—	Imports		Reexports		Net imports	
	Edible	Inedible	Edible	Inedible	Edible	Inedible
	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds
1854-55	1,443	949	30	451	1,413	498
1855-56	1,157	896	41	233	1,116	663
1856-57	1,124	759	67	123	1,057	636
1857-58	545	1,136	8	119	538	1,017
1858-59	1,098	1,440	35	46	1,063	1,400
1859-60	1,037	722	20	21	1,017	701
1860-61	994	903	2	11	992	892
1861-62	2,040		33		2,007	
1862-63	1,302		83		1,219	
1863-64	596		44		552	
1864-65	650	488	23		626	488
1865-66	1,926	2,417	45		1,881	2,417
1866-67	934	1,296	12		922	1,296
1867-68	1,210	236	47		1,163	236
1868-69	1,325	2,267	62		1,263	2,267
1869-70	1,195	692	38		1,157	692
1870-71	1,067	1,103	29		1,038	1,103
1871-72	1,473	815	21		1,452	815
1872-73	1,371	1,179	26		1,345	1,179
1873-74	1,044	888	18		1,026	888
1874-75	1,321	1,303	12		1,309	1,303
1875-76	1,337	698	9		1,328	698
1876-77	1,456	1,159	24		1,432	1,159
1877-78	1,628	371	60		1,568	371
1878-79	1,442	1,078	53		1,389	1,078
1879-80	1,986	888	39		1,947	888
1880-81	1,683	1,200	62		1,621	1,200
1881-82	1,986	1,824	42		1,944	1,824
1882-83	1,930	2,095	28		1,902	2,095
1883-84	4,578		11		4,567	
1884-85	3,704		27		3,677	
1885-86	4,758		16		4,742	
1886-87	5,686		17		5,669	
1887-88	4,906		15		4,891	
1888-89	6,700		11		6,689	
1889-90	6,705		20		6,685	
1890-91	4,541		14		4,527	
1891-92	5,299		16		5,283	
1892-93	5,151		14		5,137	
1893-94	6,681		24		6,657	
1894-95	5,813		17		5,796	
1895-96	7,069		20		7,049	
1896-97	6,964		18		6,946	
1897-98	5,527		15		5,512	
1898-99	6,975		31		6,944	
1899-1900	7,258		21		7,237	
1900-1901	7,373		32		7,341	
1901-2	10,043		24		10,019	
1902-3	11,206		31		11,175	
1903-4	12,852		53		12,799	
1904-5	14,424		44		14,380	
	Edible	Inedible	Edible	Inedible	Edible	Inedible
1905-6	18,353	19,038	55	56	18,298	18,982
1906-7	25,871	11,038	164	12	25,707	11,026
1907-8	28,493	11,739	149	66	28,344	11,673
1908-9	30,971	2,775	55	6	30,916	2,769
1909-10	27,707	6,322	98	6	27,609	6,316
1910-11	33,044	4,339	89	18	32,955	4,321
1911-12	30,274	4,770	67		30,207	4,770

¹ Total reexports are used in computing net imports of edible, 1864-65 to 1882-83.

Compiled from Foreign Commerce and Navigation of the United States. No domestic exports reported. Imports and reexports of edible olive oil reported in dozen bottles, 1854-55 to 1860-61; in gallons, 1861-62 to 1911-12. 1 dozen bottles equal 1 gallon; 1 gallon equals 7.5 pounds. Edible and inedible not separately reported, 1861-62 to 1863-64, and 1883-84 to 1904-05.

TABLE 61.—*Palm-kernel oil and palm kernels; Imports, stocks Dec. 31, and apparent disappearance, 1912-35*

Calendar year	Net imports of palm-kernel oil ¹			Imports of palm kernels		Stocks, Dec. 31	Apparent disappearance
	Edible	Inedible	Total ²	Kernels ³	Oil equivalent (45 per cent)		
	1,000 lb.	1,000 lb.	1,000 lb.	1,000 lb.	1,000 lb.	1,000 lb.	1,000 lb.
1912.....			27,606				27,606
1913.....			27,516				27,516
1914.....			20,731				20,731
1915.....			5,303				5,303
1916.....			4,319				4,319
1917.....			(⁴)				(⁵)
1918.....			33	16,905	7,607		7,640
1919.....			1,924	5,610	2,525	718	4,449
1920.....			1,692	8,329	3,748	1,627	4,531
1921.....			2,376	230	104	512	3,595
1922.....			1,545	198	89	1,524	622
1923.....			2,566	742	334	1,220	3,204
1924.....			4,748	17	7	1,530	4,445
1925.....			52,624	57	28	9,340	44,840
1926.....			74,980	400	180	431	84,069
1927.....			43,115	121	54	14,407	29,133
1928.....			53,812	166	74	17,252	51,101
1929.....			69,909	108	49	14,858	72,352
1930.....	9,837	20,104	38,971	15,423	6,940	16,111	44,858
1931.....	10,065	12,928	22,993	34,816	15,667	9,805	44,966
1932.....	1,862	240	2,111	28,700	12,915	7,284	17,567
1933.....	58	12,899	12,957	14,918	6,713	12,034	14,900
1934.....	952	11,800	12,752	8,509	3,829	4,361	24,254
1935 ⁴	7,978	50,592	68,570	50,073	22,533	30,281	55,203

¹ Imports for consumption, 1923, and beginning 1930, except 1932 which are general imports.

² Not separately reported prior to July 1911.

³ Prior to 1918 reported in value only. Imports for consumption 1922-31, and beginning 1934.

⁴ Less than 500 pounds.

⁵ Preliminary.

Compiled as follows: Trade figures, Foreign Commerce and Navigation of the United States. Net imports are oil and oil equivalent, minus negligible reexports, 1912-22. Reexports are included in palm oil 1923-33. Stocks, Bureau of the Census, Animal and Vegetable Fats and Oils. Figures for stocks include refined oil converted to crude (using 0.93). Apparent disappearance computed from table. Domestic production of palm-kernel oil not separately reported.

TABLE 62.—*Palm oil, crude: Imports, reexports, stocks Dec. 31, and apparent disappearance, 1912-35*

Calendar year	Imports	Reexports ¹	Net imports	Stocks, Dec. 31	Apparent disappearance
	1,000 lb.	1,000 lb.	1,000 lb.	1,000 lb.	1,000 lb.
1912.....	52,771	112	52,859		52,659
1913.....	54,072	47	54,025		54,025
1914.....	40,092	133	48,959		48,959
1915.....	34,369	103	34,296		34,296
1916.....	29,270	57	29,213		29,213
1917.....	34,257	31	34,226		34,226
1918.....	20,993	(²)	20,993		20,993
1919.....	41,818	254	41,664	8,018	41,664
1920.....	41,948	136	41,812	4,688	45,142
1921.....	23,155	386	22,769	4,598	22,859
1922.....	57,517	721	56,796	15,766	45,628
1923.....	128,495	1,695	126,800	18,753	123,813
1924.....	101,780	1,647	100,133	23,048	95,238
1925.....	139,179	3,586	135,593	25,839	133,402
1926.....	130,717	2,701	128,016	17,999	135,856
1927.....	159,911	3,749	156,162	41,326	132,835
1928.....	169,228	3,389	165,839	21,740	185,425
1929.....	261,816	2,651	259,165	52,576	228,329
1930.....	287,492	978	286,514	93,820	245,270
1931.....	258,145	1,958	256,187	80,074	260,033
1932.....	217,167	2,533	214,634	80,335	223,373
1933.....	287,483	4,716	282,767	105,794	257,308
1934.....	³ 165,531		155,531	70,969	184,356
1935 ⁴	296,502		296,502	69,528	303,943

¹ Includes very small quantity of palm-kernel oil from 1923-33.

² Less than 500 pounds.

³ Imports for consumption, beginning January 1934.

⁴ Preliminary.

Compiled as follows: Trade figures, Foreign Commerce and Navigation of the United States. Stocks, Bureau of the Census, Animal and Vegetable Fats and Oils. Apparent disappearance computed from table. Edible and inedible imports not separately reported.

TABLE 63.—*Palm oil, crude: Imports for consumption, 1872-73 to 1910-11*

Year beginning July—	Imports for consumption	Year beginning July—	Imports for consumption	Year beginning July—	Imports for consumption	Year beginning July—	Imports for consumption
	1,000 lb.		1,000 lb.		1,000 lb.		1,000 lb.
1872-73 ¹	6,410	1882-83.....	4,869	1892-93.....	6,492	1902-3.....	37,823
1873-74.....	6,616	1883-84.....	4,998	1893-94.....	4,951	1903-4.....	19,679
1874-75.....	5,112	1884-85.....	7,353	1894-95.....	5,294	1904-5.....	19,874
1875-76.....	4,763	1885-86.....	6,841	1895-96.....	6,663	1905-6.....	23,476
1876-77.....	6,876	1886-87.....	5,883	1896-97.....	7,130	1906-7.....	29,656
1877-78.....	6,254	1887-88.....	7,336	1897-98.....	8,064	1907-8 ²	30,543
1878-79.....	6,710	1888-89.....	3,498	1898-99.....	7,798	1908-9 ²	58,835
1879-80.....	9,237	1889-90.....	4,020	1899-1900.....	6,939	1909-10 ²	92,644
1880-81.....	6,994	1890-91.....	3,507	1900-1901.....	8,081	1910-11 ²	56,852
1881-82.....	9,024	1891-92.....	3,495	1901-2.....	16,922		

¹ Included with coconut oil prior to 1872-73.² Net imports. Reexports not reported prior to 1907-08, negligible quantity reported 1908-09 to 1910-11.

Compiled from Foreign Commerce and Navigation of the United States.

TABLE 64.—*Peanut oil: Production, trade, stocks Dec. 31, and apparent disappearance, 1912-35*

Calendar year	Production ¹	Imports ²	Exports	Reexports	Net imports	Stocks, Dec. 31	Apparent disappearance
	1,000 lb.	1,000 lb.	1,000 lb.	1,000 lb.	1,000 lb.	1,000 lb.	1,000 lb.
1912.....	454	7,626	.....	6	7,620	.....	8,074
1913.....	.....	11,271	.....	18	11,253	.....	.....
1914.....	1,006	7,365	.....	97	7,268	.....	8,274
1915.....	.....	6,259	.....	137	6,122	.....	.....
1916.....	28,534	15,674	.....	171	15,503	.....	44,037
1917.....	50,499	27,405	.....	145	27,260	.....	77,759
1918.....	95,934	68,468	.....	75	68,391	.....	164,325
1919.....	87,607	154,052	4,342	92	149,618	21,782	237,225
1920.....	13,085	95,124	1,425	29	93,670	31,243	97,294
1921.....	33,234	3,021	1,708	428	885	18,921	46,441
1922.....	22,644	2,470	963	40	1,467	2,678	40,354
1923.....	5,359	8,000	203	84	7,722	2,011	13,748
1924.....	6,691	15,395	39	10,201	5,155	4,003	9,854
1925.....	15,156	3,027	.....	1,690	1,337	2,602	17,894
1926.....	10,644	8,281	.....	317	7,964	2,310	18,900
1927.....	10,590	2,847	.....	898	1,949	3,057	11,792
1928.....	12,439	4,749	.....	42	4,707	3,135	17,068
1929.....	16,131	3,231	.....	103	3,128	4,701	17,693
1930.....	25,495	15,565	.....	7,702	7,863	12,816	25,243
1931.....	13,730	14,886	.....	13,359	1,527	6,674	21,399
1932.....	12,845	1,489	.....	2,122	4-633	3,550	15,336
1933.....	12,563	1,318	.....	4	1,314	3,322	14,105
1934.....	47,045	2,722	.....	.....	2,722	27,160	25,929
1935 ⁶	44,673	80,723	.....	.....	80,723	30,321	122,235

¹ It is believed that imported peanuts are not used for crushing.² Included with all other nut oils prior to July 1908. Imports for consumption in thousand pounds for years beginning July are as follows: 1908, 4,018; 1909, 24,630; 1910, 8,408.³ July-December. Not separately reported prior to July 1919.⁴ Excess of reexports.⁵ Imports for consumption, beginning January 1934.⁶ Preliminary.

Compiled as follows: Production, 1912-18, U. S. Tariff Commission, Certain Vegetable Oils. Production and stocks, 1919-35, Bureau of the Census, Animal and Vegetable Fats and Oils. Stocks are crude and virgin plus refined converted to crude (using 9.04). Trade figures, Foreign Commerce and Navigation of the United States. Trade figures are crude and refined not separately reported, but used as crude. No domestic exports reported since 1924. Apparent disappearance computed from table.

TABLE 65.—Peanut oil, crude: Production, trade, stocks Sept. 30, and apparent disappearance, 1912-13 to 1935-36

Year beginning October—	Factory production ¹	Imports	Exports	Reexports	Net imports	Stocks at end of period	Apparent disappearance
	1,000 lb.	1,000 lb.	1,000 lb.	1,000 lb.	1,000 lb.	1,000 lb.	1,000 lb.
1912-13	—	11,914	—	11	11,903	—	—
1913-14	—	7,226	—	86	7,140	—	—
1914-15	—	6,200	—	118	6,082	—	—
1915-16	—	15,286	—	183	15,103	—	—
1916-17	—	26,682	—	59	26,623	—	—
1917-18	—	66,433	—	142	66,291	—	—
1918-19	—	139,280	(2)	34	139,246	37,404	—
1919-20	² 8,412	113,377	2,098	95	110,584	49,524	106,876
1920-21	28,227	3,245	1,915	425	905	15,803	62,853
1921-22	30,464	2,768	1,391	42	1,335	4,985	42,617
1922-23	7,208	8,029	102	35	7,892	3,219	16,886
1923-24	4,293	15,314	166	77	15,071	2,386	20,107
1924-25	15,134	2,923	—	11,865	⁴ -8,042	1,364	7,214
1925-26	11,927	8,018	—	60	8,568	5,260	16,599
1926-27	7,990	2,670	—	378	2,292	1,268	14,274
1927-28	14,014	4,988	—	825	4,163	2,685	16,860
1928-29	12,977	3,362	—	46	3,316	3,935	14,943
1929-30	27,078	14,480	—	85	14,395	17,412	27,908
1930-31	15,549	14,318	—	11,670	2,048	13,360	22,249
1931-32	11,567	3,340	—	11,499	⁴ -8,159	2,987	13,781
1932-33	14,502	1,269	—	3	1,266	3,067	15,688
1933-34	9,791	³ 1,277	—	—	1,277	2,160	11,975
1934-35	55,595	73,792	—	—	73,792	33,068	98,479
1935-36 ⁵	64,407	53,885	—	—	53,885	17,042	134,318

¹ From domestic material. It is believed that imported peanuts are not used for crushing.
² Not separately classified prior to July 1919, and included with other vegetable oils and fats after 1923-24.
³ A available only by calendar years prior to 1919.
⁴ Excess of reexports.
⁵ Imports for consumption, beginning January 1934.
⁶ Preliminary.

Compiled as follows: Production and stocks, Bureau of the Census, Animal and Vegetable Fats and Oils. Stocks are crude and virgin plus refined converted to crude (using 0.94). Trade figures, Foreign Commerce and Navigation of the United States. Trade figures are crude and refined not separately reported, but used as crude. No domestic exports reported since 1924. Apparent disappearance computed from table.

TABLE 66.—Peanuts shelled, crushed in the United States, by quarters, 1919-36

Year	Calendar year	Year beginning July	Year beginning October	January-March	April-June	July-September	October-December
	1,000 lb.	1,000 lb.	1,000 lb.	1,000 lb.	1,000 lb.	1,000 lb.	1,000 lb.
1919	287,832	20,420	23,476	159,946	117,520	7,457	2,909
1920	38,843	69,379	74,519	3,911	6,143	10,513	18,276
1921	83,135	89,289	76,771	18,641	21,949	15,653	26,892
1922	58,658	23,592	21,084	29,435	17,309	3,135	8,779
1923	16,414	11,500	12,158	6,054	5,624	627	4,109
1924	19,828	40,778	45,557	3,117	3,047	1,285	11,779
1925	45,201	36,519	33,381	16,452	11,262	6,004	11,423
1926	20,009	21,620	23,338	11,920	7,112	2,926	7,051
1927	30,827	40,747	40,544	7,429	4,214	4,044	14,540
1928	35,831	34,259	37,365	10,112	5,451	4,441	9,827
1929	48,603	79,608	80,508	13,063	6,928	7,547	21,065
1930	74,606	51,536	46,420	33,925	17,071	8,447	15,163
1931	41,607	31,999	34,310	15,959	11,967	3,331	10,250
1932	37,356	41,398	43,617	9,917	8,501	5,642	13,256
1933	38,202	32,449	30,000	8,954	13,566	7,861	7,881
1934	122,209	147,920	146,854	7,931	8,776	5,412	100,080
1935	118,769	154,883	160,454	32,022	10,396	4,346	71,995
1936 ¹	—	—	—	48,392	30,150	9,917	—

¹ Preliminary.

Computed from Bureau of the Census, Animal and Vegetable Fats and Oils. Reported as shelled and unshelled. Unshelled nuts have been put in terms of shelled, using the proportion of 1½ pounds in the shell to 1 pound shelled.

TABLE 67.—Peanuts in the shell, crushed in the United States, by quarters, 1919-36

Year	Calendar year	Year beginning July	Year beginning October	January-March	April-June	July-September	October-December
	<i>1,000 lb.</i>	<i>1,000 lb.</i>	<i>1,000 lb.</i>	<i>1,000 lb.</i>	<i>1,000 lb.</i>	<i>1,000 lb.</i>	<i>1,000 lb.</i>
1919	431,748	30,630	35,215	239,919	176,280	11,185	4,364
1920	58,265	104,069	111,779	5,867	9,214	15,770	27,414
1921	124,703	133,934	115,167	27,962	32,923	23,480	40,338
1922	87,988	35,389	31,627	44,152	25,964	4,703	13,169
1923	24,622	17,252	18,239	9,081	8,436	6,941	6,164
1924	29,743	61,167	68,335	4,679	6,471	1,928	17,668
1925	67,801	54,778	50,071	24,678	16,893	9,096	17,134
1926	43,513	32,429	35,006	17,880	10,668	4,389	10,576
1927	46,240	61,121	60,816	11,143	6,321	6,956	21,810
1928	53,746	51,389	56,048	24,168	8,177	6,661	14,740
1929	72,906	119,412	120,764	19,696	10,392	11,320	31,598
1930	111,910	77,308	69,630	50,888	25,609	12,672	22,744
1931	62,262	47,996	51,464	23,940	17,950	4,996	15,376
1932	56,032	62,100	65,428	14,874	12,750	8,494	19,944
1933	57,306	48,674	45,000	13,432	20,260	11,792	11,822
1934	183,314	221,880	220,280	11,896	13,164	8,118	150,136
1935	178,137	232,326	240,683	48,032	15,594	6,518	107,993
1936 ¹				72,590	45,225	14,875	

¹ Preliminary.

Computed from Bureau of the Census, Animal and Vegetable Fats and Oils. Reported as shelled and unshelled. Shelled nuts have been put in terms of unshelled using the proportion of 1½ pounds in the shell to 1 pound shelled.

TABLE 68.—Peanuts: Acreage, yield per acre, production, and quantity crushed for oil, 1919-36

Year	Nuts gathered			Peanuts crushed, year beginning October	
	Acreage	Yield per acre	Production ¹	Total ¹	As percentage of production
	<i>1,000 acres</i>	<i>Pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>Percent</i>
1919	1,132	691.9	783,273	35,215	4.5
1920	1,181	712.5	841,474	111,779	13.3
1921	1,214	683.1	829,307	115,157	13.9
1922	1,005	630.0	633,114	31,627	5.0
1923	896	722.9	647,762	18,239	2.8
1924	1,259	644.9	811,955	68,335	8.4
1925	1,130	700.3	791,355	50,071	6.3
1926	1,032	736.2	759,715	35,006	4.6
1927	1,228	759.1	932,185	60,816	6.5
1928	1,372	681.4	934,860	56,048	6.0
1929	1,400	693.5	970,932	120,764	12.4
1930	1,136	636.2	722,745	69,630	9.6
1931	1,469	721.4	1,059,745	51,464	4.9
1932	1,707	609.9	1,041,150	65,428	6.3
1933	1,498	659.1	967,620	45,000	4.7
1934	1,699	661.0	1,123,040	220,280	19.6
1935 ²	1,725	755.2	1,302,805	240,683	18.5
1936 ²	1,736	749.2	1,300,540		

¹ In-the-shell basis.² Preliminary.

Computed as follows: Acreage, yield, and production of nuts, Bureau of Agricultural Economics. Peanuts crushed, Bureau of the Census, Animal and Vegetable Fats and Oils.

TABLE 69.—*Perilla seed and oil: Imports, stocks Dec. 31, and apparent disappearance, 1913-35*

Calendar year	Imports for consumption				Stocks, Dec. 31	Apparent disappear- ance
	Seed ¹	Oil equivalent (37 percent)	Oil	Total		
	1,000 lb.	1,000 lb.	1,000 lb.	1,000 lb.	1,000 lb.	1,000 lb.
1913.....			276			76
1914.....			42			42
1915.....			70			79
1916.....			168			168
1917.....			976			976
1918.....			922			922
1919.....			4,743			4,743
1920.....			7,582			7,582
1921.....			652			652
1922.....			2,208			2,208
1923.....			6,441			6,441
1924.....			3,010			3,016
1925.....			6,017			6,017
1926.....			7,401			7,401
1927.....			5,358			5,358
1928.....			2,011			2,011
1929.....			5,574			5,574
1930.....			8,838		757	8,838
1931.....			13,286		1,600	12,353
1932.....			16,525		6,144	12,071
1933.....	780	292	22,776	23,068	2,690	20,522
1934.....	2,181	807	25,164	25,971	3,772	24,880
1935 ²	2,783	1,030	72,328	73,358	12,873	64,257

¹ 1922-30, imports of perilla seed are included with sesame seed. 1931-32, no imports of perilla seed reported.
² Oct. 1-Dec. 31, not previously reported.
³ Preliminary.

Compiled as follows: Imports, Foreign Commerce and Navigation of the United States. Stocks, Bureau of the Census, Animal and Vegetable Fats and Oils. Apparent disappearance computed from the table.

TABLE 70.—*Rape oil: Imports, 1900-01 to 1935; stocks Dec. 31, and apparent disappearance, 1919-35*

Year beginning July—	Imports ¹	Calendar year	Imports ^{1,2}	Stocks, Dec. 31	Apparent disappear- ance
1900-1901.....	3,966	1919.....	8,375	5,613	8,375
1901-2.....	5,820	1920.....	12,907	3,901	14,619
1902-3.....	5,232	1921.....	7,152	1,793	9,260
1903-4.....	5,943	1922.....	10,861	2,038	10,616
1904-5.....	5,480	1923.....	15,932	3,300	14,670
1905-6.....	8,514	1924.....	17,362	3,956	16,706
1906-7.....	6,045	1925.....	12,735	3,063	13,608
1907-8.....	8,794	1926.....	20,759	5,113	18,729
1908-9.....	7,016	1927.....	19,104	5,719	16,488
1909-10.....	8,121	1928.....	16,876	3,842	18,753
1910-11.....	10,222	1929.....	18,801	5,795	16,848
Calendar year:		1930.....	15,860	5,380	16,275
1912.....	10,266	1931.....	10,607	3,867	12,120
1913.....	10,829	1932.....	7,209	2,452	8,684
1914.....	11,172	1933.....	11,949	3,586	10,815
1915.....	11,503	1934.....	(19,065)	12,884	³ 10,367
1916.....	20,181	1935.....	⁴ 60,298	12,233	⁵ 67,510
1917.....	10,132				
1918.....	23,079				

¹ Imports for consumption, 1900-1901 to 1908-09, and beginning January 1935. 1909-10 to 1933, general imports. For 1934 an estimate of general imports (based on imports going into bonded warehouses) is interpolated. 1934 imports for consumption were reported as 16,626,000 pounds.

² No reexports reported, 1921-33; in prior years quantities reported were negligible—1914, 3,000 pounds; 1916, 25,000 pounds; 1919 and 1920, 1,000 pounds. They have not been used in computing disappearance.

³ Factory consumption.

⁴ Preliminary.

⁵ Includes 6,600,000 pounds oil equivalent of imported seed probably crushed. See note on rapeseed.

Compiled as follows: Imports from Foreign Commerce and Navigation of the United States. Stocks from Bureau of the Census, Animal and Vegetable Fats and Oils. Apparent disappearance computed from table, except 1934.

Rapeseed: Total imports of rapeseed for recent years are as follows: 1930, 10,423,000 pounds; 1931, 8,627,000; 1932, 10,748,000; 1933, 13,627,000; 1934, 9,324,000; 1935, 29,515,000 pounds. Imports, for planting, permitted entry into the United States under the Federal Seed Act and reported by the Division of Seed Investigations, are as follows: 1930, 4,907,000 pounds; 1931, 4,268,000; 1932, 5,134,000; 1933, 5,648,000; 1934, 6,224,000; 1935, 5,549,000 pounds. It is believed by the Division of Seed Investigations, the Tariff Commission, and the Department of Commerce that prior to 1934-35 imports of rapeseed have been used for planting and bird seed, but not for crushing. No domestic factory production of rape oil has been reported. It is known through reliable private sources that some seed was crushed in 1935. The excess of 1935 rapeseed imports over average of 1930-34 seed imports amount to about 18,800,000 pounds, or equivalent to about 6,600,000 pounds of rape oil.

TABLE 71.—Sesame seed and oil: Production, imports for consumption, stocks Dec. 31, and apparent disappearance, 1900-35

SESAME SEED ¹

Calendar year	Imports			Calendar year	Imports		
	Seed	Oil equivalent (45 percent)	Total oil equivalent and oil		Seed	Oil equivalent (45 percent)	Total oil equivalent and oil
	1,000 lb.	1,000 lb.	1,000 lb.		1,000 lb.	1,000 lb.	1,000 lb.
1922.....	366	165	229	1929.....	18,340	8,253	29,838
1923.....	13,650	6,142	14,844	1930.....	55,666	25,050	35,834
1924.....	13,866	6,240	14,083	1931.....	139,608	62,824	62,888
1925.....	3,902	1,756	6,051	1932.....	19,182	8,632	8,704
1926.....	2,884	1,298	10,160	1933.....	42,631	19,184	19,245
1927.....	2,948	1,327	3,031	1934.....	22,327	10,047	10,120
1928.....	9,996	4,498	10,762	1935 ²	147,471	66,362	67,314

SESAME OIL

Year beginning July—	Imports for consumption	Calendar year	Imports for consumption	Calendar year	Imports for consumption
	1,000 lb.		1,000 lb.		1,000 lb.
1900-1901.....	626	1912.....	1,429	1923.....	8,702
1901-2.....	708	1913.....	1,867	1924.....	7,843
1902-3.....	1,424	1914.....	817	1925.....	4,295
1903-4.....	787	1915.....	237	1926.....	8,862
1904-5.....	1,395	1916.....	208	1927.....	1,704
1905-6.....	1,354	1917.....	96	1928.....	6,264
1906-7.....	1,600	1918.....	2,355	1929.....	21,585
1907-8.....	1,072	1919.....	4,722		
1908-9.....	1,274	1920.....	807		
1909-10.....	1,310	1921.....	89		
1910-11.....	1,479	1922.....	64		

Calendar year	Factory production	Imports			Stocks, Dec. 31	Apparent disappearance
		Inedible	Edible	Total		
	1,000 lb.	1,000 lb.	1,000 lb.	1,000 lb.	1,000 lb.	1,000 lb.
1930.....	21,993	27	10,757	10,784	2,713	32,777
1931.....	60,510	1	63	64	10,704	52,592
1932.....	6,568	1	71	72	3,052	14,292
1933.....	14,773	2	59	61	3,878	14,008
1934.....	9,042	1	72	73	2,656	10,337
1935 ²	64,977	11	941	952	11,322	57,263

¹ Sesame seed not reported prior to 1922, includes perilla seed, 1922-30.

² Preliminary.

Compiled as follows: Trade figures, Foreign Commerce and Navigation of the United States. Factory production and stocks, Bureau of the Census, Animal and Vegetable Fats and Oils. Apparent disappearance computed from table.

TABLE 72.—Soybean oil, crude: Production, trade, stocks, Dec. 31, and apparent disappearance, 1910-35

Calendar year	Factory production	Imports	Exports	Reexports	Net imports	Stocks, Dec. 31	Apparent disappearance
	1,000 lb.	1,000 lb.	1,000 lb.	1,000 lb.	1,000 lb.	1,000 lb.	1,000 lb.
1910					120,152		20,162
1911					132,242		32,242
1912		24,959		184	24,775		24,775
1913		14,221		36	14,185		14,185
1914		12,555		3	12,552		12,552
1915		21,335		76	21,259		21,259
1916		145,409		2,063	143,346		143,346
1917		264,926		3,977	260,949		260,949
1918		335,984		545	335,439		335,439
1919		195,808	27,715	17,833	150,280	68,830	150,280
1920		112,214	43,512	3,228	65,474	31,243	103,061
1921		17,283	1,944	511	14,828	11,141	34,930
1922	751	17,204	2,458	419	14,417	5,480	20,829
1923	1,404	41,679	1,356	172	40,151	9,451	37,584
1924	950	9,125	2,284	277	6,584	2,836	14,149
1925	2,520	19,493	520	1,748	17,225	2,458	20,123
1926	2,646	30,712	1,567	545	28,600	7,723	25,981
1927	3,088	14,915	5,444	1,184	8,287	6,291	12,807
1928	4,716	13,116	7,142	852	5,122	6,073	10,056
1929	11,009	19,489	7,967	129	11,393	15,631	12,844
1930	14,387	8,348	4,962	517	2,869	15,178	17,709
1931	39,150	4,916	4,551	898	*-533	18,650	35,145
1932	39,445	405	2,847	46	3-2,288	16,552	39,255
1933	26,533	3,069	1,569		2,100	13,534	31,651
1934	35,366	2,829	2,040		789	19,007	30,682
1935 ⁴	105,050	14,248	4,111		10,137	31,090	103,110

¹ Imports for consumption 1910-11, and beginning January 1934. Not separately reported prior to July 1910.

² July-December. Not separately reported prior to July 1919.

³ Net exports. ⁴ Preliminary.

Compiled as follows: Production and stocks, Bureau of the Census, Animal and Vegetable Fats and Oils. No domestic production reported prior to 1922. Reports do not state whether from domestic or foreign materials, 1922-35. Stocks are crude plus refined converted to crude basis (using 0.94). Trade figures, 1911-17, Monthly Summary of Commerce and Finance of the United States, December issues; 1918-35, Foreign Commerce and Navigation of the United States. Crude and refined not separately reported. Used as crude. Apparent disappearance computed from table.

TABLE 73.—Soybean oil, crude: Production, trade, stocks Sept. 30, and apparent disappearance 1911-12 to 1935-36

Year beginning October—	Factory production	Imports	Exports	Reexports	Net imports	Stocks at end of period	Apparent disappearance
	1,000 lb.	1,000 lb.	1,000 lb.	1,000 lb.	1,000 lb.	1,000 lb.	1,000 lb.
1911-12		27,383		167	27,216		27,216
1912-13		11,283		66	11,217		11,217
1913-14		16,345		5	16,340		16,340
1914-15		16,507		73	16,434		16,434
1915-16		120,511		2,041	118,470		118,470
1916-17		205,064		2,915	202,149		202,149
1917-18		333,395		1,632	331,763		331,763
1918-19		241,536	(1)	16,656	224,880	95,131	224,880
1919-20		155,636	57,828	4,281	93,527	38,752	149,908
1920-21		21,633	4,128	636	16,869	14,960	40,651
1921-22		14,574	1,038	63	13,473	8,832	19,001
1922-23	1,693	43,605	2,007	526	41,072	18,145	33,452
1923-24	700	9,491	2,769	19	6,703	6,338	19,270
1924-25	2,268	17,975	791	2,004	15,180	3,862	19,024
1925-26	2,639	27,631	755	201	26,675	10,223	23,153
1926-27	2,658	17,696	4,423	1,420	11,853	8,140	16,394
1927-28	4,373	13,108	7,327	839	4,942	7,416	10,039
1928-29	7,284	17,182	8,410	254	8,518	11,781	11,487
1929-30	13,424	11,229	4,898	517	5,814	12,986	17,983
1930-31	34,688	5,864	5,152	515	197	16,000	31,871
1931-32	39,946	1,137	3,048	428	3-2,339	16,688	36,919
1932-33	29,078	2,762	1,340		1,422	10,895	36,293
1933-34	26,196	* 1,632	1,758		*-96	14,854	22,141
1934-35	38,123	13,320	3,811		9,509	14,220	88,260
1935-36 ⁴	208,965	9,600	4,471		5,219	39,300	180,110

¹ Not separately shown prior to July 1919.

² Imports for consumption, beginning January 1934.

³ Net exports.

⁴ Preliminary.

Compiled as follows: Production and stocks, Bureau of the Census, Animal and Vegetable Fats and Oils. No domestic production reported prior to 1922. Reports do not state whether from domestic or foreign materials, beginning 1922. Stocks are crude plus refined converted to crude basis (using 0.94). Trade figures, Foreign Commerce and Navigation of the United States. Crude and refined not separately reported, used as crude. Apparent disappearance computed from table.

TABLE 74.—Soybeans: Acreage, yield per acre, production, and quantity crushed, 1924-36

Year	Soybean acreage			Beans gathered			Beans crushed, year beginning October	
	Equivalent of total solid acreage ¹	Acreage (except for hay) ²	Acreage from which beans are gathered ³	Yield per acre	Production	Percentage used for seed, following year ⁴	Total ⁵	As percentage of beans gathered
	1,000 acres	1,000 acres	1,000 acres	Bushel	1,000 bushel	Percent	1,000 bushel	Percent
1924	1,782	635	448	11.0	4,947	36.1	307	6.2
1925	1,785	610	415	11.7	4,875	43.6	351	7.2
1926	2,127	696	460	11.2	5,239	44.9	355	6.4
1927	2,350	794	568	12.2	6,938	35.2	559	8.1
1928	2,439	830	579	13.6	7,890	34.7	882	11.2
1929	2,736	994	708	13.3	9,398	36.0	1,666	17.7
1930	3,387	1,366	1,008	13.4	13,471	31.1	4,099	30.2
1931	4,194	1,494	1,104	15.2	16,733	24.2	4,725	28.2
1932	4,040	1,374	977	15.3	14,975	25.2	3,470	23.2
1933	3,777	1,334	997	13.2	13,147	45.6	3,054	23.2
1934	5,994	1,925	1,539	15.0	23,095	30.8	9,105	39.4
1935 ⁶	7,111	3,111	2,697	16.5	44,378	14.2	25,181	66.7
1936 ⁶	6,312	3,103	2,113	14.0	29,616			

¹ Computed by Bureau of Agricultural Economics as follows: Add acreage for grain, hay, other purposes, and interplanted with other crops reduced by 0.50 for all States except Mississippi which is reduced by 0.60.
² Excluding soybeans cut for hay. Soybeans planted in corn and soybeans grazed or hogged off are included for the important Southern States but omitted for unimportant Northern States.
³ Solid equivalent of acres from which soybeans are gathered.
⁴ Planting rates vary from about 0.5 to over 1.5 bushels per acre. Average rates per acre obtained from the Bureau of Agricultural Economics in 1912 were 1.37 bushels broadcast and 0.79 bushels drilled. 1 bushel per acre is here used as an approximate average.
⁵ See table 261, Agricultural Statistics, 1936, for figures in pounds (60 pounds per bushel).
⁶ Preliminary.

Compiled as follows: Acreage and production from records of the Division of Crop and Livestock Estimates. Amount crushed from Bureau of the Census, Animal and Vegetable Fats and Oils.

TABLE 75.—Quantity of soybeans crushed in the United States, annually and by quarters, 1922-36

Year	Calendar year	Year beginning July	Year beginning October	January-March	April-June	July-September	October-December
	1,000 bu.	1,000 bu.	1,000 bu.	1,000 bu.	1,000 bu.	1,000 bu.	1,000 bu.
1922	99	183	159		20	34	45
1923	151	110	102	65	39	10	37
1924	124	237	307	54	9	2	59
1925	339	416	351	125	51	72	91
1926	345	306	335	129	124	6	86
1927	395	499	559	113	101	35	146
1928	603	801	882	171	147	94	191
1929	1,353	1,603	1,666	353	163	176	661
1930	1,731	3,334	4,069	421	345	239	726
1931	4,637	5,065	4,725	1,080	1,289	974	1,294
1932	4,643	3,707	3,470	1,706	1,091	635	1,211
1933	3,154	2,994	3,054	1,050	811	397	896
1934	4,164	7,364	9,105	933	768	457	2,006
1935	12,308	22,031	25,181	2,662	2,239	2,198	5,200
1936 ¹				7,832	6,792	5,348	

¹ Preliminary.

Computed from Bureau of the Census, Animal and Vegetable Fats and Oils.

TABLE 76.—*Soybeans: Imports for consumption, 1913-35, and exports, 1931-35*

Calendar year	Imports for consumption	Calendar year	Imports for consumption	Calendar year	Imports for consumption	Inspected for export
	1,000 bu.		1,000 bu.		1,000 bu.	1,000 bu.
1913 ¹	6	1922.....	50	1930.....	64	.....
1914.....	61	1923.....	61	1931.....	59	133
1915.....	54	1924.....	70	1932.....	43	4,223
1916.....	55	1925.....	64	1933.....	8	256
1917 ²	575	1926.....	62	1934.....	6	19
1918.....	24	1927.....	70	1935 ⁴	4	1,670
1919.....	73	1928 ³	71			
1920.....	52	1929.....	72			
1921.....	66					

¹ October-December only.² Increased imports due to war conditions.³ Beginning 1928, reported as imported principally from Japan.⁴ Preliminary.

Compiled as follows: Imports, 1913-17, Imported merchandise entered for consumption in the United States; 1918-35, Foreign Commerce and Navigation of the United States. Inspected for export, 1931-35 Bureau of Agricultural Economics Inspection Service. Soybeans are imported in small quantities mostly for seed purposes.

TABLE 77.—*Sunflower oil: Imports, stocks Dec. 31, and apparent disappearance, 1930-35*

Calendar year	Imports for consumption ¹			Stocks, Dec. 31	Apparent disappearance	Imports of seed ²
	Edible	Inedible	Total			
	1,000 lb.	1,000 lb.	1,000 lb.	1,000 lb.	1,000 lb.	1,000 lb.
1930.....	4	1	5	.....	5	248
1931.....	27,535	199	27,734	339	27,734	409
1932.....	4,763	7,634	12,397	3,187	9,549	598
1933.....	14,082	13,751	27,833	8,554	22,466	121
1934.....	10,046	7,490	17,536	639	25,451	276
1935 ³	37,052	207	37,259	1,024	36,874	667

¹ Not reported prior to 1930.² Small quantities of sunflower seed are imported for roasting, planting, etc., but neither imported nor domestic seed have been much used for domestic crushing, and are not included in tabulations of oil supply.³ Preliminary.

Compiled as follows: Trade figures, Foreign Commerce and Navigation of the United States. No exports reported. Stocks, Bureau of the Census, Production, Consumption, and Stocks of Fats and Oils, quarterly. Apparent disappearance computed from table.

TABLE 78.—*Teaseed oil: Exports from China and Hong Kong into the United States, 1929-35*

Calendar year	Exports to United States	Calendar year	Exports to United States
	1,000 lb.		1,000 lb.
1929.....	500	1933.....	1,380
1930.....	441	1934.....	2,407
1931.....	834	1935 ¹	6,668
1932.....	707		

¹ Preliminary.

Compiled from Trade of China.

Teaseed oil is not separately reported in United States imports prior to 1936.

TABLE 79.—*Tung oil: Trade, stocks Dec. 31, and apparent disappearance, 1912-85*

Calendar year	Imports	Reexports	Net im- ports	Stocks, Dec. 31	Apparent disappear- ance
	<i>1,000 lb.</i>	<i>1,000 lb.</i>	<i>1,000 lb.</i>	<i>1,000 lb.</i>	<i>1,000 lb.</i>
1912.....	42,787	80	42,707	-----	42,707
1913.....	42,587	182	42,405	-----	42,405
1914.....	30,137	106	30,031	-----	30,031
1915.....	33,976	109	33,867	-----	33,867
1916.....	67,649	132	67,517	-----	67,517
1917.....	41,091	244	40,847	-----	40,847
1918.....	42,718	1,105	41,613	-----	41,613
1919.....	53,853	2,493	51,360	14,846	51,360
1920.....	67,922	2,883	65,039	20,485	59,440
1921.....	27,249	819	26,430	9,292	37,623
1922.....	79,069	2,703	76,366	17,984	67,694
1923.....	87,292	3,463	83,829	19,322	82,491
1924.....	81,588	2,213	79,375	20,661	78,036
1925.....	101,554	2,567	98,987	32,043	86,705
1926.....	83,004	5,579	77,425	18,090	92,278
1927.....	89,650	5,287	84,363	17,785	84,668
1928.....	109,222	6,186	103,036	25,454	95,367
1929.....	119,678	6,191	113,487	29,411	109,530
1930.....	126,323	6,259	120,064	49,894	99,581
1931.....	79,311	4,643	74,668	33,402	91,160
1932.....	75,922	3,328	72,594	30,915	75,081
1933.....	118,760	4,216	114,544	41,750	103,709
1934.....	¹ 110,007	-----	110,007	31,495	120,292
1935 ²	120,059	-----	120,059	19,008	132,546

¹ Imports for consumption, beginning January 1934.² Preliminary.

Compiled as follows: Trade figures, Foreign Commerce and Navigation of the United States. Stocks, Bureau of the Census, Animal and Vegetable Fats and Oils. Apparent disappearance computed from table. Production from domestically produced nuts is reported with production of other oils and probably amounted to 150,000 pounds in 1932; none in 1933; 400,000 pounds in 1934; and 300,000 pounds in 1935. These amounts are not included in summary tables showing production from domestic materials.

TABLE 80.—*Tung oil: Imports, 1869-70 to 1910-11*

Year beginning July—	Imports ¹	Year beginning July—	Imports ¹	Year beginning July—	Imports ¹	Year beginning July—	Imports ¹
	<i>1,000 lb.</i>		<i>1,000 lb.</i>		<i>1,000 lb.</i>		<i>1,000 lb.</i>
1869-70.....	381	1880-81.....	138	1891-92.....	2,469	1901-2.....	3,038
1870-71.....	980	1881-82.....	109	1892-93.....	2,892	1902-3.....	2,998
1871-72.....	0	1882-83.....	912	1893-94.....	4,107	1903-4.....	9,161
1872-73.....	643	1883-84.....	3,213	1894-95.....	2,900	1904-5.....	10,274
1873-74.....	78	1884-85.....	2,899	1895-96.....	2,484	1905-6.....	14,173
1874-75.....	50	1885-86.....	4,146	1896-97.....	2,763	1906-7.....	² 18,308
1875-76.....	74	1886-87.....	2,123	1897-98.....	2,305	1907-8.....	² 13,935
1876-77.....	77	1887-88.....	2,534	1898-99.....	2,683	1908-9.....	² 21,794
1877-78.....	129	1888-89.....	3,289	1899-1900.....	2,705	1909-10.....	² 43,142
1878-79.....	91	1889-90.....	2,325	1900-01.....	2,743	1910-11.....	² 52,715
1879-80.....	44	1890-01.....	2,597				

¹ 1869-70 to 1906-06, imports for consumption, subsequently reported under general imports and reexports as nut oil or oil of nuts.² General imports minus reexports.

Compiled from Foreign Commerce and Navigation of the United States.

TABLE 81.—*Tung oil trees: Farms reporting, acreage, and trees, 1930 and 1935*

State	Farms reporting		Acreage, 1935	Trees of all ages	
	1930	1935		1930	1935
	Number	Number	Acres	Number	Number
Alabama.....	23	104	794	8,687	63,364
Florida.....	85	174	13,478	300,834	1,064,511
Georgia.....	7	101	3,078	3,102	215,808
Louisiana.....	8	41	2,659	4,644	213,000
Mississippi.....	20	192	20,078	33,451	2,068,119
Texas.....	1	15	81	15	7,490
United States.....	144	627	40,166	350,793	3,632,301

Compiled from Bureau of the Census, U. S. Census of Agriculture, 1935; Tung-oil Trees, Special Report United States 41, Oct. 17, 1936.

TABLE 82.—*Vegetable tallow: Imports, stocks Dec. 31, and apparent disappearance, 1923-35*

Calendar year	Imports for consumption	Stocks, Dec. 31	Apparent disappearance	Calendar year	Imports for consumption	Stocks, Dec. 31	Apparent disappearance
	1,000 lb.	1,000 lb.	1,000 lb.		1,000 lb.	1,000 lb.	1,000 lb.
1923.....	8,548	¹ 2,441	6,679	1930.....	7,122	(?)	³ 9,545
1924.....	5,197	1,510	6,128	1931 ²	-----	-----	-----
1925.....	6,424	461	7,473	1932 ²	-----	-----	-----
1926.....	3,779	1,233	3,007	1933 ²	-----	-----	-----
1927.....	5,688	1,036	5,885	1934.....	138	-----	138
1928.....	5,326	1,103	5,259	1935 ⁴	81	-----	81
1929.....	11,530	2,423	10,210				

¹ Stocks Dec. 31, 1922, 472,000 pounds.

² Not separately reported.

³ Since no data are reported for 1931-33, stocks on hand at the beginning of 1930 are included in apparent disappearance for 1930.

⁴ Preliminary.

Compiled as follows: Imports, Foreign Commerce and Navigation of the United States. Stocks, Bureau the Census, Animal and Vegetable Fats and Oils. Apparent disappearance computed from table.

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TABLE 83.—*Butter: Production, trade, stocks, Dec. 31, and apparent disappearance, 1869-1935*

[Net exports are indicated by a minus sign]

Calendar year	Production			Imports	Exports	Reex-ports	Net im-ports or net ex-ports	Appar-ent dis-appear-ance
	Total	Factory	Farm ¹					
	1,000 lb.	1,000 lb.	1,000 lb.	1,000 lb.	1,000 lb.	1,000 lb.	1,000 lb.	1,000 lb.
1869.....	514,093	-----	514,093	4,089	1,592	-----	2,497	616,590
1870.....	412,130	-----	-----	4,843	2,080	-----	2,763	414,893
1871.....	470,245	-----	-----	2,854	8,569	-----	-5,715	464,530
1872.....	434,051	-----	-----	4,178	5,044	-----	-866	433,185
1873.....	566,389	-----	-----	2,023	4,075	-----	-1,152	565,237
1874.....	584,566	-----	-----	1,200	5,833	-----	-4,633	579,933
1875.....	556,314	-----	-----	401	5,292	-----	-4,891	551,423
1876.....	677,424	-----	-----	82	13,838	-----	-13,756	663,668
1877.....	696,118	-----	-----	916	23,014	-----	-22,098	674,020
1878.....	725,991	-----	-----	133	26,656	-----	-26,523	699,468
1879.....	806,672	29,422	777,250	487	43,280	-----	-42,793	763,870
1880.....	815,609	-----	-----	238	37,422	-----	-37,184	778,515
1881.....	802,817	-----	-----	2,517	21,331	-----	-18,814	784,003
1882.....	742,526	-----	-----	1,166	7,680	-----	-6,524	736,002
1883.....	843,728	-----	-----	374	22,376	-----	-22,002	821,726
1884.....	869,351	-----	-----	299	21,391	31	-21,123	848,228
1885.....	933,086	-----	-----	176	10,594	16	-19,434	913,652
1886.....	988,842	-----	-----	220	14,404	(?)	-14,184	974,658
1887.....	978,190	-----	-----	166	11,402	(?)	-11,236	966,954
1888.....	978,009	-----	-----	210	8,749	4	-8,543	960,466
1889.....	1,292,432	214,460	1,077,972	73	25,983	(?)	-25,010	1,266,522

See footnotes at end of table.

TABLE 83.—Butter: Production, trade, stocks, Dec. 31, and apparent disappearance, 1869-1935—Continued

[Net exports are indicated by a minus sign]

Calendar year	Production			Imports	Exports	Reex-ports	Net imports or net exports	Appar-ent dis-appearance
	Total	Factory	Farm ¹					
	1,000 lb.	1,000 lb.	1,000 lb.	1,000 lb.	1,000 lb.	1,000 lb.	1,000 lb.	1,000 lb.
1890.....	1,171,211			78	23,896	1	-23,819	1,147,392
1891.....	1,090,981			413	14,975	31	-14,593	1,076,388
1892.....	1,057,532			65	11,395	3	-11,333	1,046,199
1893.....	1,047,003			170	6,944	1	-6,775	1,040,228
1894.....	1,062,819			53	10,088	1	-10,036	1,052,783
1895.....	1,296,519			65	14,096	2	-14,033	1,282,486
1896.....	1,603,956			38	27,220	62	-27,244	1,576,712
1897.....	1,532,830			38	30,915	2	-30,879	1,501,851
1898.....	1,472,584			24	15,034	4	-15,014	1,457,840
1899.....	1,492,580	420,954	1,071,626	29	27,309	3	-27,283	1,465,297

Calendar year	Production			Imports	Exports	Reex-ports	Net imports or net exports	Shipments to non-contiguous territories	Stocks, Dec. 31	Appar-ent dis-appearance in continental United States
	Total	Factory	Farm ¹							
	1,000 lb.	1,000 lb.	1,000 lb.	1,000 lb.	1,000 lb.	1,000 lb.	1,000 lb.	1,000 lb.	1,000 lb.	1,000 lb.
1900.....	1,540,080	443,484		64	13,284	4	-13,224			1,526,856
1901.....	1,574,704	468,064		120	24,250	9	-24,133			1,550,631
1902.....	1,400,557	460,790		524	8,959	3	-8,438			1,392,119
1903.....	1,485,358	515,830		4	9,345	4	-9,193	1,688		1,474,477
1904.....	1,539,553	533,449		210	13,880	15	-13,685	2,050		1,523,818
1905.....	1,667,495	600,123		557	16,194	2	-15,639	2,460		1,649,396
1906.....	1,545,247	594,878		255	24,468	1	-24,214	2,847		1,518,186
1907.....	1,537,056	562,007		934	3,857	3	-2,926	2,269		1,531,861
1908.....	1,762,689	625,278		261	8,918	12	-8,669	2,396		1,751,624
1909.....	1,621,796	627,146	994,650	1,417	2,926	4	-1,513	2,735		1,617,548
1910.....	1,706,076	632,692		1,209	3,104	16	-1,911	2,663		1,701,502
1911.....	1,761,821	692,367		1,005	6,375	1	-5,371	2,546		1,753,904
1912.....	1,591,547	721,636		876	5,105	41	-4,270	2,813		1,584,464
1913.....	1,608,262	766,926		3,726	3,111	6	609	2,561		1,600,310
1914.....	1,684,749	786,003		7,201	3,688	60	3,444	2,657		1,685,536
1915.....	1,750,613	780,005		1,544	17,943	148	-16,547	2,968	48,977	1,731,098
1916.....	1,793,113	825,134		676	26,561	3	-25,888	3,568	46,134	1,766,500
1917.....	1,647,751	837,727		1,308	7,193	1	-5,886	4,052	50,726	1,633,221
1918.....	1,463,837	852,069		1,655	26,194	(*)	-24,539	2,876	43,910	1,443,238
1919.....	1,646,172	938,505	707,667	9,519	34,556	21	-25,058	3,266	53,737	1,608,021
1920.....	1,566,558	929,310		37,454	17,488	164	19,802	3,993	58,682	1,577,422
1921.....	1,741,371	1,131,605		18,558	8,015	979	9,564	3,735	48,412	1,757,470
1922.....	1,870,325	1,226,772		6,957	10,938	137	-4,118	3,669	26,819	1,884,131
1923.....	1,985,589	1,319,698		23,741	5,846	1,021	16,874	3,707	30,299	1,995,276
1924.....	2,082,013	1,439,210	642,803	19,405	8,257	1,140	10,008	3,523	65,694	2,053,103
1925.....	2,017,389	1,455,625		7,212	5,343	282	1,587	3,157	52,785	2,028,728
1926.....	2,027,100	1,536,068		8,029	5,483	626	1,820	3,066	34,347	2,044,392
1927.....	2,070,111	1,564,227		8,460	4,343	165	3,952	3,428	46,289	2,064,093
1928.....	2,064,025	1,530,808		4,659	3,898	457	304	3,530	43,783	2,063,305
1929.....	2,159,408	1,617,344	542,064	2,773	3,724	188	-1,139	3,672	81,935	2,116,445
1930.....	2,116,047	1,597,747	518,300	2,472	2,954	15	-497	4,074	63,401	2,130,010
1931.....	2,196,772	1,667,452	529,320	1,882	1,984	23	-125	4,564	26,643	2,228,841
1932.....	2,200,332	1,694,132	566,200	1,014	1,605	1	-592	4,745	22,043	2,259,595
1933.....	2,312,223	1,762,688	549,535	1,022	1,191	77	-246	5,329	111,249	2,217,442
1934.....	2,218,788	1,694,708	524,080	³ 1,253	1,220	100	33	5,424	47,175	2,277,471
1935 ⁴	2,160,785	1,632,380	528,405	22,676	958	2,004	21,717	5,535	40,117	2,184,025

¹ Total butter and factory production as given for intercensal years 1869-1929 are estimates. Subtracting factory production from total to get farm production tends to give an unstable figure for farm because it may contain noncompensating errors in the 2 estimates.

² Less than 500 pounds.

³ Imports for consumption, beginning January 1934.

⁴ Preliminary.

Compiled as follows: Production, 1849, total reported 313 million pounds; 1859, total reported 480 million pounds. For census years, data as reported by the Bureau of the Census, except for 1889, which is a revision to allow for incompleteness of the census reports. For intercensal years, 1869-1929, interpolations made on the basis of market receipts and production reported to the Bureau of Agricultural Economics. Beginning 1930, from reports of the Bureau of Agricultural Economics. Trade figures, Foreign Commerce and Navigation of the United States. As the calendar year is not available, 1869-83, year beginning July has been used. Stocks prior to 1915 not reported. Beginning 1915, from reports of cold-storage establishments to the Bureau of Agricultural Economics. Disappearance: The apparent disappearance here given does not check exactly with the calculated consumption given in Butter, supply, distribution, and per capita consumption in continental United States released by Bureau of Agricultural Economics Oct. 31, 1936, as that report takes into account imports and exports of noncontiguous territories. Disappearance is total, 1869-1902, and for continental United States, 1903-05.

TABLE 84.—Grease: Production, exports, and stocks Dec. 31, 1912, 1914, 1916-35

Calendar year	Total production	Stocks, Dec. 31	Production corrected for changes in stocks	Exports of other animal greases and fats	Balance
	1,000 lb.	1,000 lb.	1,000 lb.	1,000 lb.	1,000 lb.
1912	155,216				
1914	220,147				
1916	224,172				
1917	210,018				
1918	243,802				
1919	258,156	52,403			
1920	325,678	89,425	288,656		
1921	323,337	79,479	333,283		
1922	360,025	39,948	399,556	57,472	342,084
1923	336,818	55,500	371,200	61,410	309,784
1924	370,497	39,594	392,409	79,684	312,785
1925	340,637	39,395	340,836	81,204	259,572
1926	346,684	47,319	338,760	72,640	266,120
1927	369,083	49,328	367,074	81,829	285,245
1928	373,579	36,065	386,842	62,984	323,858
1929	387,272	62,240	361,091	59,934	301,157
1930	359,391	74,463	347,174	63,501	283,613
1931	363,707	85,238	352,932	75,280	277,646
1932	312,769	64,521	333,486	56,946	276,546
1933	327,917	87,532	304,906	70,054	234,852
1934	342,747	70,341	359,938	55,708	304,230
1935 ¹	258,509	60,199	268,651	14,755	253,896

¹ Includes inedible tallow, beginning 1931.² Preliminary.

Compiled as follows: Production, 1912, 1914, 1916-18, from Supplement to U. S. Department of Agriculture Bulletin No. 769. Includes bone, garbage, and miscellaneous greases. (Recovered grease is a secondary product and therefore excluded.) Production and stocks, 1919-35, from Bureau of the Census, Animal and Vegetable Fats and Oils. Includes bone, tankage, white, yellow, brown, garbage or house, and greases reported as all other. (Recovered grease is excluded from production.) Exports: Foreign Commerce and Navigation of the United States. This item is used because exports of separate grease items are not reported. It is assumed that grease is the main item. Data prior to 1922 are of little value owing to frequent shifts in classification and in changing combinations of the several items. Balance: Production corrected for changes in stocks and minus exports of other animal greases and fats. General imports reported in value only. The small quantity reported in imports for consumption is disregarded in this compilation as are re-exports of other animal oils, fats, and greases. The Tariff Commission Report No. 41, estimates an import of 16,800,000 pounds of grease used in soap manufacture, average 1926-30.

TABLE 85.—Grease: Production and stocks Dec. 31, 1919-35

Calendar year	Grease, white			Grease, yellow			Grease, brown		
	Factory production	Stocks, Dec. 31	Production corrected for changes in stocks	Factory production	Stocks, Dec. 31	Production corrected for changes in stocks	Factory production	Stocks, Dec. 31	Production corrected for changes in stocks
	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds
1919	60,394	20,673	42,392	6,204			27,016	3,428	21,282
1920	61,229	8,336	41,396	13,257	34,313	31,890	14,006	13,081	34,610
1921	65,527	10,890	62,973	45,914	8,732	50,439	33,985	6,126	50,329
1922	82,305	8,237	84,958	56,929	8,447	57,214	43,374	9,830	52,549
1923	97,500	7,619	98,118	67,357	11,039	64,765	50,253	5,480	48,127
1924	93,630	7,013	94,236	71,200	8,323	73,916	43,777	4,981	41,089
1925	73,097	5,281	74,829	64,457	10,128	62,052	40,590	6,000	40,931
1926	72,161	5,995	71,447	66,072	10,052	66,748	42,040	12,026	53,069
1927	73,398	5,270	74,123	66,948	8,141	68,859	46,879	5,869	40,962
1928	77,951	9,223	73,908	71,570	8,221	71,490	47,512	13,750	46,288
1929	76,390	11,370	74,237	81,554	12,191	77,584	48,636	12,731	46,288
1930	64,799	8,814	67,361	82,710	11,594	83,307	45,427	12,889	44,822
1931	68,452	10,280	66,986	83,051	12,393	82,252	53,243	17,292	52,246
1932	69,238	8,873	67,045	70,071	13,493	68,971	43,067	14,823	62,325
1933	77,042	29,739	56,126	77,290	17,205	73,578	49,384	18,449	53,310
1934	61,384	11,796	79,377	90,289	15,308	92,126	61,482	15,177	
1935 ¹	31,487	6,554	36,729	62,499	14,623	63,244	52,038		

¹ Preliminary.

TABLE 85.—Grease: Production and stocks Dec. 31, 1919-35—Continued

Calendar year	Grease, bone			Grease, tannage			Grease, garbage or house			Grease, all other		
	Factory production	Stocks, Dec. 31	Production corrected for changes in stocks	Factory production	Stocks, Dec. 31	Production corrected for changes in stocks	Factory production	Stocks, Dec. 31	Production corrected for changes in stocks	Factory production	Stocks, Dec. 31	Production corrected for changes in stocks
	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds
1919	22,524	3,361	—	45,311	6,341	—	50,823	7,665	—	9,696	2,534	—
1920	29,749	8,807	24,303	99,779	17,688	88,432	53,140	21,904	38,901	8,555	3,725	7,364
1921	26,776	7,918	27,665	90,021	11,015	96,694	53,638	15,051	60,491	7,779	9,081	2,420
1922	27,325	1,269	33,974	73,652	4,521	80,146	64,138	7,352	71,837	12,302	1,000	19,783
1923	27,992	2,565	26,696	58,481	5,680	67,422	67,425	13,038	61,739	11,810	3,562	9,848
1924	26,762	913	28,414	53,290	3,676	55,194	77,878	10,562	80,354	9,860	1,825	11,697
1925	24,476	1,042	24,347	51,407	3,730	51,413	78,358	11,195	77,725	8,192	1,813	8,204
1926	22,749	3,626	20,165	50,689	4,686	49,733	79,868	12,547	78,516	12,496	3,124	11,185
1927	23,633	2,007	24,652	54,887	3,979	55,594	93,337	13,754	92,130	10,001	2,543	10,582
1928	22,384	1,586	23,405	53,537	2,510	55,006	89,372	6,310	96,816	11,253	1,764	12,032
1929	24,636	1,995	24,227	53,213	4,070	51,653	91,416	15,528	82,198	11,427	2,542	10,649
1930	26,365	2,923	25,437	52,479	6,304	50,245	78,653	25,538	68,643	8,958	2,406	9,004
1931	28,116	3,525	27,514	48,930	7,259	47,981	70,632	21,701	74,469	11,277	3,758	9,925
1932	18,477	1,968	20,034	44,606	5,011	46,754	58,476	13,165	67,012	11,334	3,481	11,611
1933	21,002	2,162	20,808	39,905	4,356	40,590	53,593	10,941	55,817	9,701	3,466	9,716
1934	24,778	1,141	25,769	41,895	2,967	43,284	47,941	16,285	42,597	14,978	4,202	14,242
1935 ¹	23,368	2,632	21,877	36,827	2,460	37,334	40,352	14,873	41,764	11,938	2,514	13,626

¹ Preliminary.

Compiled from Bureau of the Census, Animal and Vegetable Fats and Oils. (Recovered grease is a secondary product and therefore excluded.)

TABLE 86.—Grease, wool: Production, imports, stocks Dec. 31, and apparent disappearance, 1912-35

Calendar year	Production	Imports ¹	Stocks, Dec. 31	Appar-ent disappearance	Calendar year	Production	Imports ¹	Stocks, Dec. 31	Appar-ent disappearance
	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds		1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds
1912	(5,000)	15,067	—	20,067	1924	4,334	12,577	2,339	16,473
1913	—	17,295	—	—	1925	4,475	10,098	2,139	14,743
1914	(5,000)	10,385	—	15,385	1926	5,877	11,844	2,880	16,980
1915	—	11,019	—	—	1927	7,735	10,974	3,063	18,526
1916	(5,000)	4,169	—	9,169	1928	6,444	10,604	3,242	16,929
1917	(7,000)	7,519	—	14,519	1929	9,527	10,538	4,286	19,021
1918	(7,000)	1,051	—	8,051	1930	7,374	7,913	3,328	16,245
1919	7,903	294	1,167	8,197	1931	9,019	4,792	5,746	11,393
1920	6,985	4,088	1,468	10,772	1932	6,466	3,992	7,488	8,716
1921	6,076	2,690	2,055	8,179	1933	8,467	4,416	9,423	10,948
1922	4,115	13,864	2,139	17,895	1934	4,948	4,597	3,660	15,408
1923	7,314	9,431	1,901	16,983	1935 ²	9,654	5,627	3,470	15,371

¹ Imports for consumption 1912-23, include crude, refined, and improved (and lanolin reported in 1922), added together without being reduced to terms of crude; general imports, 1924-33, imports for consumption, beginning January 1934, reported as wool grease, dutiable.

² Preliminary.

Compiled as follows: Production 1912, 1914, 1916-18, estimated by Bureau of Agricultural Economics. Based on reports of wool and recovered grease in Supplement to U. S. Department of Agriculture Bulletin no. 769. Production and stocks, 1919-35, Bureau of the Census, Animal and Vegetable Fats and Oils. Imports from Foreign Commerce and Navigation of the United States. Apparent disappearance computed from table. Figures in parenthesis are estimates.

TABLE 87.—Lard, including neutral lard: Production, trade, stocks Dec. 31, and apparent disappearance, 1900–1935

Calendar year	Production			Imports ¹	Exports ²	Net exports	Shipments to noncontiguous territories	Total net exports and shipments	Stocks, Dec. 31	Apparent disappearance in continental United States
	Federally inspected	Other	Total							
	<i>1,000 lb.</i>	<i>1,000 lb.</i>	<i>1,000 lb.</i>	<i>1,000 lb.</i>	<i>1,000 lb.</i>	<i>1,000 lb.</i>	<i>1,000 lb.</i>	<i>1,000 lb.</i>	<i>1,000 lb.</i>	<i>1,000 lb.</i>
1900.....	821,000	796,000	1,617,000	-----	609,473	-----	³ 5,654	615,127	-----	1,001,873
1901.....	829,000	785,000	1,614,000	-----	607,266	-----	⁴ (6,000)	613,266	-----	1,000,734
1902.....	737,000	702,000	1,439,000	-----	504,161	-----	⁵ 6,311	510,472	-----	928,528
1903.....	766,000	730,000	1,496,000	-----	535,376	-----	3,557	538,933	-----	957,067
1904.....	841,000	755,000	1,596,000	-----	563,520	-----	5,139	568,659	-----	1,027,341
1905.....	799,000	752,000	1,551,000	-----	701,679	-----	4,118	705,797	-----	845,203
1906.....	882,000	762,000	1,644,000	-----	678,232	-----	4,749	682,981	-----	961,019
1907.....	1,137,000	640,000	1,777,000	-----	589,268	-----	3,144	592,412	-----	1,184,588
1908.....	1,171,000	619,000	1,790,000	-----	581,934	-----	2,714	584,648	-----	1,205,352
1909.....	886,000	618,000	1,504,000	-----	458,261	-----	2,566	460,827	-----	1,043,173
1910.....	792,000	642,000	1,434,000	-----	379,108	-----	2,831	381,939	-----	1,052,061
1911.....	1,010,000	663,000	1,673,000	-----	604,979	-----	3,550	608,529	-----	1,064,471
1912.....	965,000	661,000	1,626,000	-----	552,649	552,645	3,752	556,397	-----	1,069,603
1913.....	1,006,000	675,000	1,681,000	4	575,492	575,488	4,624	580,112	-----	1,100,888
1914.....	969,000	688,000	1,657,000	4	459,813	459,813	4,595	464,408	-----	1,192,592
1915.....	1,081,000	694,000	1,775,000	-----	486,676	486,676	4,988	491,664	63,304	1,283,336
1916.....	1,159,000	690,000	1,849,000	-----	453,924	453,924	5,947	459,871	80,977	1,371,456
1917.....	926,000	631,000	1,557,000	-----	382,145	382,145	4,049	386,194	54,539	1,197,244
1918.....	1,260,000	723,000	1,983,000	-----	555,125	555,125	3,217	558,342	104,274	1,374,923
1919.....	1,323,000	716,000	2,039,000	-----	783,859	783,859	3,774	787,633	62,614	1,293,027
1920.....	1,321,000	735,000	2,056,000	-----	635,488	635,488	6,961	642,449	59,319	1,416,846
1921.....	1,379,300	735,000	2,114,300	-----	892,892	892,892	9,922	902,814	47,541	1,223,264
1922.....	1,575,137	782,000	2,357,137	(⁶)	787,447	787,447	9,981	797,428	48,808	1,558,442
1923.....	1,971,245	812,000	2,783,245	4	1,059,510	1,059,506	14,263	1,073,769	49,340	1,708,944
1924.....	1,922,629	823,000	2,745,629	49	971,460	971,411	14,439	985,850	61,049	1,748,070
1925.....	1,451,743	771,000	2,222,743	38	707,683	707,645	11,473	719,118	42,478	1,522,196
1926.....	1,513,385	811,000	2,324,385	83	717,077	716,994	16,079	733,073	49,992	1,583,798
1927.....	1,556,747	799,000	2,355,747	6	701,699	701,693	15,513	717,206	54,855	1,633,678
1928.....	1,749,749	844,000	2,593,749	3	783,472	783,469	18,007	801,476	85,217	1,761,911
1929.....	1,763,143	835,000	2,598,143	1	847,868	847,867	18,595	866,462	82,098	1,734,800
1930.....	1,521,160	823,000	2,344,160	2	656,018	656,016	18,222	674,238	51,434	1,700,586
1931.....	1,554,018	831,000	2,385,018	3	578,296	578,293	22,547	600,840	51,224	1,784,388
1932.....	1,573,460	⁷ (890,000)	⁷ (2,463,460)	8	552,154	552,146	23,735	575,881	41,088	(1,897,715)
1933.....	1,679,272	⁷ (890,000)	⁷ (2,569,272)	1	584,238	584,237	27,523	611,761	132,510	(1,866,089)
1934.....	1,340,795	⁷ (822,000)	⁷ (2,162,795)	(⁶)	434,892	434,892	22,840	457,732	118,107	(1,719,466)
1935.....	⁷ (662,060)	⁷ (650,000)	⁷ (1,312,060)	40	97,359	97,319	17,727	115,046	52,718	(1,262,403)

- ‡ Imports prior to 1912, available only on fiscal-year basis, averaging about 3,500,000 pounds, have been disregarded. 1914-21 imports are included with lard compounds.
- § Includes neutral lard separately reported beginning July 1, 1910. Prior to 1910, exports of neutral lard are included with oleo oil and not separately reported.
- ¶ Shipments to Puerto Rico only.
- ‡ Interpolated, based on 1900 and 1902.
- ¶ Includes 6-month figures for Hawaii and Alaska.
- § Less than 500 pounds.
- ‡ Preliminary, rough unofficial estimate.

Compiled as follows: Production, 1900-1920, from Statistics of Meat Production, Consumption, and Foreign Trade of the United States; 1921-35, Bureau of Agricultural Economics. Trade figures, from Foreign Commerce and Navigation of the United States. Stocks, from reports made by cold-storage establishments to the Bureau of Agricultural Economics. Apparent disappearance computed from table.

TABLE 88.—Lard, neutral: Production, trade, stocks Dec. 31, and apparent disappearance, 1912-35

Calendar year	Production	Exports	Shipments ¹	Total exports and shipments ¹	Stocks Dec. 31	Apparent disappearance in Continental United States
	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds	1,000 pounds
1912	51,414	57,556				
1913		39,312				
1914	51,303	21,798				
1915		35,300				
1916	76,163	27,265				
1917	52,548	9,423				
1918	81,289	6,307				
1919	90,032	22,957			3,676	
1920	77,090	23,238			4,700	53,428
1921	63,110	23,061			5,351	38,508
1922	49,432	20,497			4,995	20,291
1923	60,961	24,129			3,747	38,080
1924	68,324	27,365			6,438	38,268
1925	46,629	18,854			2,590	31,623
1926	46,423	18,116			2,545	28,352
1927	48,116	20,397			3,162	27,102
1928	52,991	23,750			4,779	27,624
1929	43,508	18,539			4,174	25,574
1930	26,957	13,531			1,357	16,243
1931	22,762	9,588			2,085	12,445
1932	17,732	5,951			1,546	12,320
1933	17,707	5,107	70	5,177	2,764	11,312
1934	11,800	3,654	25	3,679	1,513	9,372
1935 ²	3,953	1,005	37	1,042	863	3,561

¹ Shipments to noncontiguous territories prior to 1933 are not separately reported. It is assumed that, if any, quantities are negligible and included with lard.

² Preliminary.

Compiled as follows: Production, 1912, 1914, 1916-18, Supplement to U. S. Department of Agriculture Bulletin No. 769. Production and stocks, 1919-35, Bureau of the Census, Animal and Vegetable Fats and Oils. Exports, Foreign Commerce and Navigation of the United States, and Monthly Summary of Foreign Commerce of the United States, December issues. No imports or reexports reported. Shipments, Foreign Commerce and Navigation of the United States. Apparent disappearance computed from table. Neutral lard data are also included with lard. It is believed that production is largely under Federal inspection. See also Table 92.

TABLE 89.—Neat's-foot oil: Production, exports, stocks Dec. 31, and apparent disappearance, 1912, 1914, 1916-35

Calendar year	Production	Exports	Stocks, Dec. 31	Apparent disappearance	Calendar year	Production	Exports	Stocks, Dec. 31	Apparent disappearance
	1,000 lb.	1,000 lb.	1,000 lb.	1,000 lb.		1,000 lb.	1,000 lb.	1,000 lb.	1,000 lb.
1912	5,181			5,181	1925	0,247	1,431	1,411	8,098
1914	5,158			5,158	1926	9,650	1,083	1,847	8,131
1916	7,239			7,239	1927	8,656	1,506	1,510	7,487
1917	8,317			8,317	1928	6,528	1,223	1,327	5,488
1918	0,764			9,794	1929	5,707	1,345	1,801	3,798
1919	7,646		1,438	7,646	1930	5,357	1,330	1,424	4,494
1920	6,212		2,260	5,390	1931	4,208	1,022	1,184	3,426
1921	6,954		1,556	7,658	1932	3,929	803	1,029	3,281
1922	8,807	1,148	1,788	7,429	1933	4,061	1,079	1,150	3,461
1923	8,308	1,145	1,773	7,296	1934	6,795	1,151	2,352	4,442
1924	8,506	1,824	1,693	6,782	1935 ¹	6,155	887	1,600	5,021

¹ Preliminary.

Compiled as follows: Production, 1912, 1914, 1916-18, Supplement to U. S. Department of Agriculture Bulletin No. 769. Production and stocks, 1919-35, Bureau of the Census, Animal and Vegetable Fats and Oils. Exports, Prior to 1922, not separately reported. 1922-35, Foreign Commerce and Navigation of the United States. No imports or reexports reported. Apparent disappearance computed from table.

TABLE 90.—Oleo oil: Production, trade, stocks, Dec. 31, and apparent disappearance, 1912-35

Calendar year	Production	Imports for consumption	Exports	Net exports	Stocks Dec. 31	Apparent disappearance
	1,000 lb.	1,000 lb.	1,000 lb.	1,000 lb.	1,000 lb.	1,000 lb.
1912.....	(122, 490)		94, 345	94, 345		28, 145
1913.....			100, 747	100, 747		
1914.....	142, 367		85, 145	85, 145		57, 222
1915.....			109, 186	109, 186		
1916.....	(152, 881)		83, 892	83, 892		68, 989
1917.....	142, 559		33, 400	33, 400		109, 159
1918.....	(166, 027)		60, 106	60, 106		96, 921
1919.....	(169, 238)		75, 585	75, 585	15, 623	93, 653
1920.....	132, 112		74, 368	74, 368		56, 198
1921.....	147, 683		127, 978	127, 978	11, 801	25, 073
1922.....	164, 780		109, 387	109, 387	11, 949	55, 245
1923.....	158, 610	6	98, 955	98, 949	9, 804	61, 806
1924.....	156, 334		99, 380	99, 380	15, 481	51, 277
1925.....	141, 396	(¹)	91, 972	91, 972	10, 348	54, 527
1926.....	161, 427	(¹)	96, 902	96, 902	15, 702	69, 171
1927.....	127, 504	817	78, 781	77, 964	6, 629	58, 703
1928.....	124, 105	624	62, 779	62, 155	13, 015	55, 584
1929.....	122, 527	188	68, 269	68, 021	8, 108	50, 413
1930.....	116, 439	74	56, 483	56, 409	19, 670	48, 459
1931.....	94, 456	104	47, 323	47, 219	4, 763	62, 144
1932.....	74, 710	2	42, 409	42, 407	5, 923	31, 143
1933.....	88, 849	3	33, 783	33, 780	9, 959	51, 038
1934.....	78, 776	0	20, 713	20, 713	5, 508	62, 214
1935 ²	74, 558	1, 626	9, 251	7, 625	4, 900	67, 841

¹ Less than 500 pounds.
² Preliminary.

Compiled as follows: Production, 1912-19; available production figures for early years are obviously incomplete inasmuch as the reported use in oleomargarine alone exceeds the apparent disappearance computed on the basis of the reported production for some years. There were no imports and it seems improbable that withdrawals from stocks can account for the discrepancies inasmuch as total reported use in oleomargarine for the years 1912-17 exceeds total reported production. Reliable private sources support these beliefs. It has seemed advisable to interpolate estimates of production for 1912, 1916, 1918, and 1919, on the basis of available data as follows: Production has been computed from reported exports and use in oleomargarine. (Data on use in oleomargarine: 1912 and 1916, Supplement to U. S. Department of Agriculture Bull. No. 769; 1918 and 1919, interpolations computed as averages of fiscal years from records of the Bureau of Internal Revenue.) Production data for 1914 and 1917 are from U. S. Tariff Commission, Certain Vegetable Oils. Production, factory, and stocks, 1920-35, Bureau of the Census, Animal and Vegetable Fats and Oils. Trade figures, Foreign Commerce and Navigation of the United States. Apparent disappearance computed from table. See also table 92.

TABLE 91.—Oleo oil and oleostearine production as percentage of total of both commodities, 1920-35

Calendar year	Oleo oil	Oleo-stearine ¹	Calendar year	Oleo oil	Oleo-stearine ¹	Calendar year	Oleo oil	Oleo-stearine ¹
	Percent	Percent		Percent	Percent		Percent	Percent
1920.....	65.7	34.3	1926.....	67.0	33.0	1932.....	67.5	32.5
1921.....	67.6	32.4	1927.....	65.5	34.5	1933.....	69.6	30.4
1922.....	68.6	31.4	1928.....	67.0	33.0	1934.....	70.0	30.0
1923.....	68.8	31.2	1929.....	67.2	32.8	1935 ²	64.1	35.9
1924.....	66.0	33.4	1930.....	67.6	32.4			
1925.....	65.7	34.3	1931.....	67.0	33.0			

¹ Reported as stearine, animal edible.
² Preliminary.

Computed from Bureau of the Census, Animal and Vegetable Fats and Oils.

TABLE 92.—*Oleo oil and neutral lard: Net exports, 1877-78 to 1910-11*

Year beginning July—	Net exports ¹	Year beginning July—	Net exports ¹	Year beginning July—	Net exports ¹	Year beginning July—	Net exports ¹
	<i>1,000 lb.</i>		<i>1,000 lb.</i>		<i>1,000 lb.</i>		<i>1,000 lb.</i>
1877-78	1,698	1886-87	43,713	1895-96	103,277	1904-5	145,228
1878-79	12,687	1887-88	30,147	1896-97	113,506	1905-6	209,658
1879-80	19,000	1888-89	28,103	1897-98	132,579	1906-7	195,337
1880-81	26,328	1889-90	68,218	1898-99	142,390	1907-8	212,541
1881-82	19,714	1890-91	80,231	1899-1900	146,740	1908-9	179,985
1882-83	20,031	1891-92	91,582	1900-1901	161,651	1909-10	129,692
1883-84	37,785	1892-93	113,639	1901-2	138,546	1910-11	138,697
1884-85	37,120	1893-94	123,296	1902-3	120,010		
1885-86	27,730	1894-95	78,099	1903-4	165,184		

¹ Exports of oleo oil and neutral lard are not separately reported during this period. 1877-78 to 1880-81, includes oleomargarine; 1879-80 includes 116,000 pounds olein.

Compiled from Foreign Commerce and Navigation of the United States.

TABLE 93.—*Oleo stock: Production and exports, specified years, 1912-35*

Calendar year	Production	Exports	Calendar year	Production	Exports	Calendar year	Production	Exports
	<i>1,000 lb.</i>	<i>1,000 lb.</i>		<i>1,000 lb.</i>	<i>1,000 lb.</i>		<i>1,000 lb.</i>	<i>1,000 lb.</i>
1912	122,568		1924		13,797	1931		7,924
1914	143,247		1925		12,187	1932		7,076
1916	152,982		1926		12,159	1933		8,633
1917	153,188		1927		11,913	1934		5,979
1918	145,920		1928		6,779	1935 ¹		3,378
1922		15,596	1929		8,099			
1923		10,301	1930		7,779			

¹ Preliminary.

Compiled as follows: Production, Supplement to U. S. Department of Agriculture Bulletin No. 760. Exports, Foreign Commerce and Navigation of the United States. Not separately reported prior to 1922. Imports, if any, not separately reported. See also oleo oil and stearine, animal edible. For the years 1912, 1914, 1916-18, reported production of oleo stock is assumed to be represented in the summary tables of total fats and oils production by production of the 2 products oleo oil and oleostearine. For the years 1922-35, an estimated production of oleo stock equivalent to reported exports is added to totals, in addition to reported oleo oil and oleostearine. See table 5.

TABLE 94.—*Stearine, animal, edible: Production, trade, stocks Dec. 31, and apparent disappearance, 1912-35*

[Net exports are indicated by a minus sign]

Calendar year	Production	Imports for consumption	Exports	Net exports or net imports	Stocks, Dec. 31	Apparent disappearance
	<i>1,000 lb.</i>	<i>1,000 lb.</i>	<i>1,000 lb.</i>	<i>1,000 lb.</i>	<i>1,000 lb.</i>	<i>1,000 lb.</i>
1912	(60,020)	9,207	1,624	7,683		(67,703)
1913		7,052	3,534	3,518		
1914	(69,700)	4,690	3,230	1,451		(71,211)
1915		1,718	16,677	-14,959		
1916	(74,912)	649	13,217	-12,568		(82,344)
1917	(69,854)	5,555	8,205	-2,740		(67,114)
1918	(81,353)	1,557	10,550	-8,993		(72,500)
1919	68,087	2,358	20,855	-18,497	9,370	49,590
1920	68,955	963	17,613	-16,550	7,347	54,428
1921	70,644	410	32,690	-32,274	5,173	40,541
1922	75,295	293	10,678	-10,385	5,806	64,277
1923	71,942	216	8,765	-8,549	6,287	62,912
1924	78,370	1,009	6,575	-5,566	7,603	71,588
1925	73,955	901	7,395	-6,494	5,762	69,202
1926	70,490	1,900	7,318	-5,358	5,887	74,007
1927	67,325	2,064	5,648	-3,584	5,891	63,737
1928	61,262	1,622	3,883	-2,261	5,100	59,786
1929	59,753	1,737	3,531	-2,194	4,955	57,710
1930	55,815	1,306	5,133	-3,767	3,101	53,902
1931	46,614	2,922	6,842	-4,820	4,582	40,313
1932	36,047	588	7,534	-6,946	4,128	29,555
1933	38,738	94	6,273	-6,179	3,818	32,869
1934	33,829	1,719	4,255	-2,536	3,262	31,849
1935 ¹	41,756	0,201	1,261	7,940	5,722	47,230

¹ Preliminary.

Compiled as follows: Production, 1912, 1914, 1916-18, have been interpolated on basis of relationship between reported data on production of edible animal stearine and oleo oil, 1919-33. For these years the average production of stearine was 49 percent of the production of oleo oil. Production and stocks, 1919-35, Bureau of the Census, Animal and Vegetable Fats and Oils. Trade figures, Foreign Commerce and Navigation of the United States. Imports for consumption reported as oleostearine. Exports, 1912-21, reported as stearine from animal fats; 1922, shown separately as oleostearine and lard stearine, which figures have been added; 1923-29, reported as oleo and lard stearine; 1930-35, oleostearine only, reported. Trade data for the period 1878-1911 are published in Foreign Trade of the United States, 1700-1929; Cattle, Beef, and Beef Products, Bureau of Agricultural Economics. Apparent disappearance computed from table. Figures in parentheses are estimates.

TABLE 95.—*Tallow, edible: Production, exports, stocks Dec. 31, and apparent disappearance, 1912, 1914, 1916-35*

Calendar year	Production	Exports	Stocks, Dec. 31	Apparent disappearance	Calendar year	Production	Exports	Stocks, Dec. 31	Apparent disappearance
	<i>1,000 lb.</i>	<i>1,000 lb.</i>	<i>1,000 lb.</i>	<i>1,000 lb.</i>		<i>1,000 lb.</i>	<i>1,000 lb.</i>	<i>1,000 lb.</i>	<i>1,000 lb.</i>
1912	(22,000)	(1)		(22,000)	1925	50,215	(1)	3,855	49,720
1914	(25,000)	(1)		(25,000)	1926	58,284	(1)	4,467	57,672
1916	(30,000)	(1)		(30,000)	1927	48,892	(1)	3,970	49,389
1917	(30,000)	(1)		(30,000)	1928	41,047	(1)	3,592	41,425
1918	(34,000)	(1)		(34,000)	1929	43,727	(1)	3,166	44,153
1919	36,506	(1)	6,308	36,506	1930	41,676	(1)	4,123	40,719
1920	37,353	(1)	5,197	38,464	1931	70,100	² 2,065	5,059	66,499
1921	41,238	(1)	5,175	41,260	1932	52,605	² 2,511	4,376	50,777
1922	49,108	2,376	3,292	48,615	1933	58,492	² 6,839	4,256	51,773
1923	52,923	1,204	3,681	51,330	1934	78,021	² 7,347	6,746	68,184
1924	51,676	989	3,360	51,008	1935 ³	73,893	² 536	12,009	68,094

¹ Included with inedible tallow.

² Probably includes some inedible tallow. See table 96.

³ Preliminary.

Compiled as follows: Production, 1912, 1914, 1916-18, estimated by Bureau of Agricultural Economics. Production and stocks, 1919-35, Bureau of the Census, Animal and Vegetable Fats and Oils. Trade figures (see table 96) Foreign Commerce and Navigation of the United States. Imports reported as tallow and considered as inedible. No reexports reported. Apparent disappearance computed from table. Figures in parentheses are estimates.

TABLE 96.—Tallow, inedible: Apparent production, trade, stocks Dec. 31, and consumption, 1912-35

[Net exports are indicated by a minus sign]

Calendar year	Apparent production	Imports for consumption	Exports	Net exports or net imports	Stocks, Dec. 31	Consumption
	1,000 lb.	1,000 lb.	1,000 lb.	1,000 lb.	1,000 lb.	1,000 lb.
1912	266, 372	609	28, 989	-28, 380		(227, 092)
1913		693	28, 235	-27, 542		
1914	252, 237	12, 090	9, 980	2, 710		(254, 947)
1915		3, 577	26, 568	-22, 901		
1916	311, 595	13, 087	15, 338	-2, 251		(309, 344)
1917	234, 810	73, 020	7, 510	66, 110		(300, 920)
1918	293, 660	51, 886	4, 223	47, 663		(341, 323)
1919	289, 199	12, 096	38, 954	-26, 858	55, 853	262, 341
1920	339, 907	14, 875	20, 692	-6, 817	79, 125	310, 818
1921	426, 120	1, 870	13, 798	-11, 928	94, 646	398, 671
1922	459, 765	1, 831	29, 000	-27, 169	63, 317	463, 925
1923	494, 612	10, 823	33, 925	-23, 102	68, 958	465, 809
1924	539, 459	2, 440	32, 973	-30, 533	61, 443	516, 441
1925	485, 004	1, 828	17, 514	-15, 686	51, 800	478, 961
1926	536, 425	13, 647	10, 628	3, 019	84, 005	507, 239
1927	500, 621	12, 908	6, 610	6, 298	76, 903	574, 021
1928	497, 222	14, 239	3, 211	11, 028	66, 618	518, 595
1929	534, 754	16, 803	3, 840	12, 963	99, 580	514, 755
1930	570, 942	591	5, 594	-5, 003	140, 909	524, 610
1931	587, 418	1, 365	(1)	1, 365	163, 304	566, 328
1932	607, 772	502	(1)	502	185, 742	586, 806
1933	636, 675	239	(1)	239	255, 925	596, 731
1934	745, 114	42, 813	(1)	42, 813	326, 484	717, 308
1935 ²	441, 682	245, 851	(1)	245, 851	295, 600	718, 357

¹ Classification in Foreign Commerce and Navigation indicates that this item is shown with other greases.
² Preliminary.

Compiled as follows: Apparent production, 1912, 1914, 1916-18, estimates computed by Bureau of Agricultural Economics; 1919-35, apparent production figures based on factory consumption, trade, and corrected for changes in stocks, because factory production figures do not include considerable quantities produced on farms and by small local butcheries and meat markets. Trade figures, Foreign Commerce and Navigation of the United States. Imports for consumption reported as tallow, considered as inedible. Exports are variously reported:

(1) Are reported in Foreign Commerce and Navigation of the United States as follows: 1912-21, reported as tallow, these totals are believed to be largely inedible and as the 2 items cannot be separated are used in the inedible table; 1922-24, edible and inedible are separately reported; 1925, same as 1912-21; 1926-35, reported as tallow under Department of Commerce classification of animal products edible; but information from the trade through 1930 indicates that even though reported as edible it is more than half of the inedible grade. Totals are, therefore, shown in this table. For 1931-35, the Department of Commerce states that inedible tallow is included with other greases, but information from other sources indicates that some inedible may still be included in reported edible exports. Totals are shown in table 95 beginning 1931.

(2) Certified exports of edible and inedible tallow are reported by the Meat Inspection Service of the Department of Agriculture as follows, 1929-35:

CERTIFIED EXPORTS

Year	Edible	Inedible	Year	Edible	Inedible
	1,000 lb.	1,000 lb.		1,000 lb.	1,000 lb.
1929	302	2, 028	1933	6, 900	4, 783
1930	391	2, 903	1934	5, 757	2, 636
1931	943	1, 829	1935	318	219
1932	2, 580	3, 272			

These figures probably reflect the actual situation better than the figures reported by Foreign Commerce and Navigation. When the Department of Commerce total figure is larger than the Meat Inspection total figure, the balance unaccounted for by the latter is probably practically all inedible. Certificates of grade are given for countries that require them and the trade states that in practice but little edible tallow is exported without certificates owing to the prestige that certified tallow enjoys. No reexports reported. Stocks, Bureau of the Census, Animal and Vegetable Fats and Oils. Consumption, 1912, 1914, 1916-18, estimated by the Bureau of Agricultural Economics; 1919-35, factory consumption as reported by Bureau of the Census, Animal and Vegetable Fats and Oils. Figures in parentheses are estimates.

TABLE 97.—Tallow: Exports, imports, reexports, and net exports, 1859-60 to 1910-11

Year beginning July—	Exports	Imports	Reexports	Net exports	Year beginning July—	Exports	Imports	Reexports	Net exports
	1,000 lb.	1,000 lb.	1,000 lb.	1,000 lb.		1,000 lb.	1,000 lb.	1,000 lb.	1,000 lb.
1859-60	15,270	199		15,071	1885-86	40,920	17		40,903
1860-61	29,718	130		29,588	1886-87	63,278	22		63,256
1861-62	46,774	43		46,731	1887-88	92,483	43		92,440
1862-63	63,793	105	105	63,703	1888-89	77,845	282		77,563
1863-64	55,198	72		55,126	1889-90	112,745	45		112,700
1864-65	30,884	85		30,799	1890-91	111,689	78		111,611
1865-66	19,365	233	12	19,144	1891-92	80,780	26		89,754
1866-67	23,297	96	347	23,578	1892-93	61,819	48		61,771
1867-68	22,682	32	233	22,883	1893-94	54,662	58		54,604
1868-69	20,535	28		20,507	1894-95	25,864	8,595		17,269
1869-70	37,513	34		37,479	1895-96	52,759	8,263		44,496
1870-71	33,859	69		33,790	1896-97	75,109	160		74,949
1871-72	76,151	647		75,504	1897-98	81,745	130		81,606
1872-73	79,171	101		79,070	1898-99	107,361	142		107,219
1873-74	101,756	21		101,735	1899-1900	89,031	11		89,020
1874-75	65,462	50		65,412	1900-01	77,167	84		77,083
1875-76	72,433	9		72,424	1901-02	34,066	2,396		31,670
1876-77	91,473	65		91,408	1902-03	27,369	9,632		17,737
1877-78	85,506	32		85,474	1903-04	76,924	105		76,819
1878-79	99,904	37		99,927	1904-05	63,537	278		63,259
1879-80	110,768	65		110,703	1905-06	97,567	908		96,659
1880-81	96,471	84		96,387	1906-07	127,858	425		127,433
1881-82	50,474	209		50,265	1907-08	91,398	305		91,093
1882-83	38,810	112		38,698	1908-09	53,333	365		52,968
1883-84	63,091	72		63,019	1909-10	29,380	911		28,469
1884-85	50,432	20		50,412	1910-11	29,813	984		28,829

¹ Estimated.

Compiled from Foreign Trade of the United States, annual 1790-1929; Cattle, Beef, and Beef Products, Bureau of Agricultural Economics. Tallow is reported as edible and inedible, but, although the 2 items are not shown separately, it is believed that the total is largely inedible.

MARINE ANIMAL OILS

TABLE 98.—Marine animal oils: Production, trade, stocks, Dec. 31, and apparent disappearance, 1912-35

Calendar year	Production	Imports ¹	Exports	Net imports ¹	Stocks, Dec. 31	Apparent disappearance
	1,000 lb.	1,000 lb.	1,000 lb.	1,000 lb.	1,000 lb.	1,000 lb.
1912	41,284	20,707	9,375	11,332		52,616
1913		17,321	8,906	8,415		
1914	22,631	22,803	1,164	21,639		44,270
1915		20,220	941	19,279		
1916	30,623	33,577	954	32,623		63,246
1917	28,554	39,858	894	38,964		67,518
1918	15,984	29,698	4,251	25,447		41,431
1919	32,921	19,493	8,142	11,351	48,151	44,272
1920	66,027	16,989	3,212	13,777	60,310	67,645
1921	55,665	23,697	805	22,892	44,399	94,468
1922	79,016	51,292	5,738	45,564	49,203	119,676
1923	85,305	56,279	1,724	54,555	45,521	143,632
1924	69,085	68,669	872	67,797	47,551	134,852
1925	101,163	85,744	614	85,130	58,311	175,533
1926	82,648	93,146	809	92,337	67,651	165,645
1927	82,640	133,430	692	132,738	92,180	190,849
1928	91,816	125,010	882	124,128	70,563	237,561
1929	115,630	139,226	1,120	138,106	102,064	222,235
1930	111,088	127,190	1,079	126,111	157,092	182,171
1931	64,789	143,605	1,598	142,007	147,022	216,846
1932	92,209	94,636	1,477	93,159	142,337	190,053
1933	133,436	95,971	5,849	90,122	144,450	221,445
1934	225,546	59,446	6,364	53,082	196,023	227,055
1935 ²	240,464	78,592	3,276	75,316	191,593	320,210

¹ Imports for consumption.

² Preliminary.

Marine animal oils include fish oils, fish-liver oils, and marine mammal oils; consult tables 100, 101, 102, and 103 for details of sources and constituent elements of this summary table of marine animal oils.

TABLE 99.—*Marine animal oils: Imports and exports, 1868-69 to 1910-11*

[Net exports are indicated by a minus sign]

Year beginning July—	General imports	Exports	Re-exports	Net trade	Year beginning July—	General imports	Exports	Re-exports	Net trade
	<i>1,000 lb.</i>	<i>1,000 lb.</i>	<i>1,000 lb.</i>	<i>1,000 lb.</i>		<i>1,000 lb.</i>	<i>1,000 lb.</i>	<i>1,000 lb.</i>	<i>1,000 lb.</i>
1868-69.....	5,900	708	243	5,039	1890-91.....	2,404	10,530	39	-8,171
1869-70.....	4,404	2,332	749	1,323	1891-92.....	2,301	7,274	33	-5,006
1870-71.....	2,656	6,468	442	-4,254	1892-93.....	7,256	1,544	204	5,508
1871-72.....	2,177	8,787	152	-6,702	1893-94.....	4,274	2,208	134	1,932
1872-73.....	1,677	2,162	263	-748	1894-95.....	1,942	5,769	136	-3,953
1873-74.....	2,940	4,303	551	-1,014	1895-96.....	1,521	6,331	83	-4,893
1874-75.....	2,946	6,719	219	-3,992	1896-97.....	1,517	6,400	129	-5,012
1875-76.....	1,546	8,006	390	-6,856	1897-98.....	5,049	5,019	131	-101
1876-77.....	1,420	7,695	336	-6,002	1898-99.....	3,989	7,696	-----	-3,707
1877-78.....	2,974	6,787	66	-3,879	1899-1900.....	6,385	6,410	290	-333
1878-79.....	1,831	16,772	39	-14,980	1900-01.....	5,499	7,039	129	-2,569
1879-80.....	3,752	7,672	5	-3,925	1901-02.....	8,625	9,821	650	-1,855
1880-81.....	5,363	4,484	66	813	1902-03.....	5,423	9,844	591	-5,012
1881-82.....	4,096	8,129	168	-4,201	1903-04.....	5,970	6,608	533	-1,171
1882-83.....	3,621	1,702	14	1,905	1904-05.....	5,441	9,649	338	-4,546
1883-84.....	6,097	3,667	126	2,304	1905-06.....	7,413	5,388	253	1,772
1884-85.....	1,704	7,333	291	-5,920	1906-07.....	7,710	7,119	493	98
1885-86.....	1,364	889	54	421	1907-08.....	9,158	2,437	730	5,991
1886-87.....	1,307	10,116	23	-8,837	1908-09.....	9,774	2,453	-----	7,321
1887-88.....	1,818	10,203	20	-8,405	1909-10.....	17,336	11,473	-----	5,863
1888-89.....	3,419	3,624	59	-204	1910-11.....	23,389	316	-----	23,074
1889-90.....	2,005	13,830	38	-11,863					

Compiled from Foreign Commerce and Navigation of the United States. Marine animal oils include marine mammal, fish, and fish-liver oils.

TABLE 100.—Marine mammal oils: Production, trade, stocks Dec. 31, and apparent disappearance, 1912-35

Calendar year	Whale oil and sperm-whale oil														Seal oil	Whale oil, sperm-whale, and seal oil		
	Production			Imports				Exports	Net imports	Stocks, Dec. 31							Apparent disappearance	
	Whale oil	Sperm-whale oil	Total	For consumption			General			Whale oil and sperm-whale oil	Whale oil and sperm-whale oil	Whale oil	Sperm-whale oil	Total				Of general imports of whale oil and sperm-whale oil in bonded warehouses
				Whale oil	Sperm-whale oil	Total		Whale oil and sperm-whale oil	Whale oil and sperm-whale oil								Whale oil			Sperm-whale oil	Total
1,000 lb.	1,000 lb.	1,000 lb.	1,000 lb.	1,000 lb.	1,000 lb.	1,000 lb.	1,000 lb.	1,000 lb.	1,000 lb.	1,000 lb.	1,000 lb.	1,000 lb.	1,000 lb.	1,000 lb.	1,000 lb.	1,000 lb.		
1912	931	4,083	5,014	10,916		10,916			10,916							15,930	2	15,932
1913				2,840	596	3,436			3,436								877	
1914	632	2,495	3,127	2,057	1,004	3,061			3,061							6,188	3,995	10,183
1915				4,505	718	5,223			5,223								198	
1916	1,691	4,560	6,251	2,607	50	2,657			2,657							8,908	6,473	15,381
1917	1,193	3,567	4,760	8,176	311	8,487			8,487							13,247	1,897	15,144
1918	431	743	1,174	2,390	452	2,842			2,842							4,016	4,694	8,710
1919	8,712	650	9,362	3,908	936	4,844			4,844	7,761	7,127	14,888		14,888		14,206	173	14,379
1920	23,052	3,126	26,178	651	748	1,399			1,399	12,828	6,994	19,822		19,822		22,643	98	22,741
1921	2,658	1,265	3,923	2,748	23	2,771			2,771	9,887	5,690	15,578		15,578		10,938	3,080	14,018
1922	13,973	2,881	16,854	32,112	482	32,594		583	32,011	10,376	5,441	15,818		15,818		48,625	2,713	51,338
1923	10,098	1,579	11,677	28,853	960	29,813	29,813	723	29,090	5,866	2,604	8,670	(¹)	8,670		47,915	3,806	51,721
1924	8,563	759	9,322	37,528	529	38,057	38,057		37,964	9,825	2,451	12,276	(0)	12,276		43,680	3,630	47,310
1925	8,071	1,090	9,161	53,558	1,937	55,495	55,495		55,495	19,650	1,818	21,467	(0)	21,467		55,465	2,737	58,202
1926	9,495	75	9,570	39,249	1,030	40,279	63,434		40,279	33,794	2,330	36,125	19,789	16,336	54,980	4,851	59,861	
1927	11,407	79	11,486	53,131	1,995	55,126	39,750		55,126	24,994	2,279	27,272	3,783	23,489	59,459	4,719	64,178	
1928	10,234	703	10,937	48,426	3,315	51,741	68,386		51,741	38,108	2,186	40,294	20,502	19,792	66,375	1,461	67,836	
1929	11,084	358	11,442	56,552	2,600	59,152	54,532		59,152	33,060	3,629	36,689	15,881	20,808	69,578	4,731	74,309	
1930	9,939	960	10,899	52,702	3,008	55,710	74,663		55,710	57,054	4,327	61,381	40,665	20,716	66,701	3,352	70,053	
1931	16	0	16	81,197	2,799	83,996	139,693		83,996	126,718	3,064	129,782	91,910	37,872	66,856	599	67,455	
1932	6,008	54	6,062	42,136	1,810	43,946	723		43,946	77,932	1,754	79,686	54,952	24,734	63,146	453	63,599	
1933	4,274	121	4,395	43,017	4,699	47,716	65,224		47,716	(¹)	(¹)	38,869	14,442	24,427	52,148	795	53,213	
1934	7,957	593	8,550	15,803	4,187	19,990			19,990			61,656	46,379	15,277	37,690	257	37,947	
1935 ²	8,569	1,503	10,072	20,240	2,833	23,073			23,073			38,105	22,450	15,655	32,767	0	32,767	

See footnotes on p. 72.

¹ General imports are not used in the computed disappearance but are shown here because of their significance in the world whale-oil situation and in relation to imports for consumption, 1929-35.

² Includes sperm-whale oil, calendar year 1912, and January-September 1913.

³ October-December; included with whale oil prior to Oct. 4, 1913.

⁴ Reported throughout as whale oil; assumed to include sperm-whale oil not separately reported; general imports not separately reported prior to Sept. 22, 1922; general imports, Sept. 22-Dec. 31, 1922, are reported as 362,000 pounds.

⁵ No data reported prior to 1926 but general imports and imports for consumption compared, indicate zero amounts 1923-25.

⁶ Not reported after 1933.

⁷ Not separately reported beginning 1933; reported as marine animal oils, but includes only whale and sperm-whale oils.

⁸ Preliminary.

Compiled as follows: Production, 1912, 1914, 1916-18, Supplement to U. S. Department of Agriculture Bulletin No. 769; 1919-32, Bureau of the Census, Animal and Vegetable Fats and Oils (except 1930-32, sperm-whale oil production from Bureau of Fisheries); 1933-35, Bureau of Fisheries, Canned Fishery Products and Byproducts of the United States and Alaska. Stocks, 1919-35, Bureau of the Census, Animal and Vegetable Fats and Oils; stocks of general imports of whale oil and sperm-whale oil in bonded warehouses, 1926-33, Monthly Summary of Foreign Commerce of the United States; 1934-35, official records of the Bureau of Foreign and Domestic Commerce. Trade figures, 1912-17, Quarterly Reports of Imported Merchandise Entered for Consumption in the United States and Duties Collected Thereon; 1918-35, Foreign Commerce and Navigation of the United States; exports reported only for 1922-24 as whale oil; assumed to include sperm-whale oil. Apparent disappearance, whale oil and sperm-whale oil: 1912-19, production plus net imports; 1920-35, production plus net imports and corrected for changes in stocks. Since reported stocks include fairly large stocks of general imports in bonded warehouses not yet included in reported imports for consumption, the reported data on stocks have been adjusted by deducting stocks in bonded warehouses. Total, 1912-35, apparent disappearance of whale oil and sperm-whale oil plus imports for consumption of seal oil. Marine mammal oils include whale, sperm-whale, and seal oils; no production, exports, stocks, or factory consumption reported for seal oil; no exports of sperm-whale or seal oil reported separately; no reexports of whale, sperm-whale, or seal oils reported separately. Production is crude; imports of sperm-whale oil are crude and refined.

TABLE 101.—*Fish oils: Production, trade, stocks Dec. 31, and apparent disappearance, 1912-35*

[Net exports are indicated by a minus sign]

Calendar year	Production	Imports for consumption	Exports	Net imports or net exports	Stocks, Dec. 31	Apparent disappearance
	1,000 lb.	1,000 lb.	1,000 lb.	1,000 lb.	1,000 lb.	1,000 lb.
1912	35,898	4,059	9,375	-5,316		30,582
1913		4,256	8,906	-4,650		
1914	19,110	2,631	1,164	1,467		20,577
1915		2,697	941	1,756		
1916	24,005	14,106	954	13,152		37,157
1917	23,355	12,930	894	12,036		35,391
1918	14,098	13,223	4,251	8,972		23,070
1919	22,591	4,065	8,142	-4,076	30,958	18,515
1920	38,378	4,319	3,212	1,107	37,532	32,911
1921	51,368	1,278	805	473	23,030	66,343
1922	61,628	2,414	4,698	-2,284	29,519	62,853
1923	72,920	5,376	760	4,626	30,842	76,223
1924	58,965	5,633	395	6,238	28,496	66,549
1925	90,931	5,196	614	4,582	31,292	92,717
1926	71,720	15,383	809	14,674	42,135	75,451
1927	68,957	39,913	692	36,221	59,038	91,275
1928	79,006	40,749	852	39,867	42,696	135,215
1929	102,138	38,206	1,120	37,086	73,020	108,900
1930	99,009	31,034	1,079	29,955	125,764	76,220
1931	64,011	32,523	1,598	30,925	101,377	119,323
1932	85,359	16,154	1,477	14,677	109,213	92,200
1933	128,547	5,852	5,849	3	110,437	127,326
1934	215,870	2,220	6,364	-4,144	170,403	161,760
1935 ¹	228,641	868	3,276	-2,408	164,215	232,421

¹ Preliminary.

Compiled as follows: Production, 1912, 1914, 1916-18, Supplement to U. S. Department of Agriculture Bulletin No. 769. Production and stocks, 1919-35, Bureau of the Census, Animal and Vegetable Fats and Oils. Trade figures, imports for consumption: 1912-17, Quarterly Reports of Imported Merchandise Entered for Consumption in the United States and Duties Collected Thereon; 1918-34, Foreign Commerce and Navigation of the United States; 1935, United States Tariff Commission. Exports, 1912-17, December issues of Monthly Summary of Foreign Commerce of the United States; 1918-35, Foreign Commerce and Navigation of the United States. Apparent disappearance computed from table. Fish oils include: Herring, menhaden, sod, eulachon, other fish and other fish and animal oils. Various combinations represented in different years. Do not include fish-liver oils, other than small amounts that may be included with exports.

TABLE 102.—*Menhaden oil: Production, stocks Dec. 31, and apparent disappearance, 1912-35*

Calendar year	Production	Stocks, Dec. 31	Apparent disappearance	Calendar year	Production	Stocks, Dec. 31	Apparent disappearance
	1,000 pounds	1,000 pounds	1,000 pounds		1,000 pounds	1,000 pounds	1,000 pounds
1912	33,009			1925	46,619	23,750	44,518
1914	16,265			1926	30,517	26,097	28,170
1916	20,598			1927	30,628	26,148	30,577
1917	18,640			1928	27,752	16,453	37,447
1918	12,370			1929	24,557	9,604	31,406
1919	12,828	18,330	12,828	1930	24,700	11,354	22,950
1920	27,573	28,491	17,412	1931	15,339	9,674	17,019
1921	46,954	18,465	56,980	1932	23,198	¹ 13,151	19,721
1922	53,270	27,138	43,691	1933	25,885		
1923	55,960	26,901	56,197	1934	27,960		
1924	29,429	21,649	34,681	1935 ²	31,472		

¹ Export of 906,000 pounds was reported for 1922, this has been considered in disappearance for this year.

² Not separately reported after 1932.

³ Preliminary.

Compiled as follows: Production, 1912, 1914, 1916-18, Supplement to U. S. Department of Agriculture Bulletin No. 769. Production and stocks, 1919-32, Bureau of the Census, Animal and Vegetable Fats and Oils. Production, 1933-35, from Bureau of Fisheries, Canned Fishery Products and By-products of the United States and Alaska, 1935, Statistical Bulletin No. 1185. Trade figures, Foreign Commerce and Navigation of the United States. Imports not separately reported, except 11,000 pounds in 1933 and 25,000 pounds in 1935. Practically all menhaden is from American waters. Apparent disappearance computed from table. Production is reported in gallons and reduced to pounds by the Bureau of the Census, using 7.74 pounds per gallon.

TABLE 103.—*Fish-liver oils: Production, trade, stocks Dec. 31, and apparent disappearance, 1912-35*

Calendar year	Production	Imports for consumption	Exports ¹	Net imports	Stocks, Dec. 31	Apparent disappearance
	1,000 lb.	1,000 lb.	1,000 lb.	1,000 lb.	1,000 lb.	1,000 lb.
1912	372	5,730		5,730		6,102
1913		8,752		8,752		
1914	304	13,116		13,116		13,510
1915		12,102		12,102		
1916	367	10,341		10,341		10,708
1917	439	16,544		16,514		16,983
1918	712	8,939		8,939		9,651
1919	968	10,410		10,410	2,305	11,378
1920	1,471	11,173		11,173	2,956	11,993
1921	374	16,598		16,598	5,791	14,107
1922	536	13,571	457	13,114	3,955	15,485
1923	708	17,374	251	17,123	6,000	15,778
1924	798	21,349	354	20,995	6,779	20,903
1925	1,071	22,316		22,316	5,552	24,614
1926	1,358	32,603		32,603	9,190	30,333
1927	2,197	33,672		33,672	9,653	35,306
1928	1,873	31,059		31,059	8,075	34,510
1929	2,050	37,137		37,137	8,236	39,026
1930	1,180	37,094		37,094	10,612	35,893
1931	742	26,487		26,487	7,773	30,095
1932	788	34,083		34,083	8,390	34,254
1933	494	41,608		41,608	9,586	40,906
1934	1,126	36,979		36,979	10,343	37,348
1935 ²	1,751	54,651		54,651	11,723	55,922

¹ Included with other fish oils, if any, prior to 1922 and after 1924.² Preliminary.

Compiled as follows: Production, 1912, 1914, 1916-18, Supplement to U. S. Department of Agriculture Bulletin No. 769. Production and stocks, 1919-35, Bureau of the Census, Animal and Vegetable Fats and Oils. Trade figures, 1912-17, Quarterly Reports of Imported Merchandise Entered for Consumption in the United States and Duties Collected Thereon; 1918-35, Foreign Commerce and Navigation of the United States. (Data for 1935 on halibut-liver oil from U. S. Tariff Commission.) Apparent disappearance computed from table. Fish-liver oils include cod and cod-liver oil for all years and halibut-liver oil in imports for consumption, net imports, and apparent disappearance, May 1934-December 1935 (halibut-liver oil not separately reported prior to May 1934, included with other fish oils, if any).

PRICES

VEGETABLE OILS

TABLE 104.—*Castor oil no. 3: Average price per pound, in barrels, New York, by months, 1910-36*

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Average
	Cents	Cents	Cents	Cents	Cents	Cents	Cents	Cents	Cents	Cents	Cents	Cents	Cents
1910	10.0	10.0	10.0	10.3	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.4
1911	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.1	10.5
1912	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
1913	10.0	10.0	9.6	8.9	8.9	8.9	8.9	8.9	8.9	8.0	8.7	8.4	9.1
1914	8.4	8.4	8.4	8.4	8.1	8.1	8.1	8.1	8.4	8.5	8.4	8.4	8.3
1915	8.4	8.4	9.1	9.7	10.0	10.0	10.0	10.1	9.5	10.0	11.9	14.0	10.1
1916	18.2	22.8	24.0	24.0	21.7	17.0	14.8	13.5	13.6	13.8	14.2	16.6	17.8
1917	17.8	18.2	19.8	20.8	22.2	23.8	23.8	23.8	24.0	24.4	24.6	25.4	22.4
1918	27.2	28.8	28.8	28.8	28.8	28.8	28.8	28.8	29.8	29.8	29.8	29.8	29.0
1919	26.8	25.8	25.1	22.5	20.9	19.8	19.8	19.8	19.8	19.8	19.8	19.6	21.6
1920	19.5	19.5	19.5	19.5	19.5	19.0	17.8	16.8	16.2	15.4	14.2	12.6	17.5
1921	11.1	10.5	10.8	8.7	8.8	9.5	9.5	9.5	9.0	10.3	10.5	10.5	9.9
1922	10.5	10.5	10.5	10.6	11.0	11.0	11.7	12.5	12.5	12.2	12.0	12.0	11.4
1923	12.2	12.9	13.6	14.0	14.0	14.0	13.9	13.0	13.0	13.0	13.4	14.0	13.4
1924	14.5	14.8	15.0	15.2	15.4	15.2	15.6	16.2	16.2	16.5	16.8	16.8	15.7
1925	16.8	16.8	16.8	16.2	16.2	16.1	15.8	15.8	15.6	16.4	14.8	14.5	15.9
1926	13.8	13.1	12.8	12.8	12.6	12.2	12.0	11.8	11.8	11.8	11.8	12.1	12.4
1927	13.0	13.2	13.8	13.6	13.1	12.8	12.4	12.2	12.5	12.8	12.8	13.0	12.9
1928	13.2	13.4	13.5	13.4	13.2	13.2	13.1	12.8	12.4	12.8	12.8	12.8	13.0
1929	12.8	13.0	13.2	13.2	13.2	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.9
1930	12.5	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.4	11.2	11.8
1931	11.2	11.2	11.2	11.2	11.2	11.2	11.2	11.2	11.2	11.2	11.1	10.8	11.2
1932	10.4	10.2	10.2	10.2	9.8	9.2	9.2	9.2	9.2	9.2	9.0	8.8	9.6
1933	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	9.2
1934	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8
1935	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	10.0	10.2	10.2	9.8
1936	10.2	10.2	10.2	10.2		10.2	10.2						

Compiled from the Oil, Paint, and Drug Reporter. Average of quotations for Saturdays during the month. Quotations are for industrial grade.

TABLE 105.—Coconut oil, Manila crude: Average price per pound, in tanks, New York, by months, 1932-36

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Average
	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>
1932	3.7	3.8	3.8	3.6	3.3	3.2	3.5	3.8	3.6	3.5	3.2	3.3	3.5
1933	3.3	3.2	3.2	3.2	3.5	3.6	3.4	3.4	3.1	3.1	3.1	2.9	3.2
1934	2.8	2.8	2.8	2.7	2.7	2.6	2.5	2.7	2.9	3.2	3.1	3.6	2.8
1935	4.4	5.2	5.8	5.8	5.4	4.6	3.8	3.7	4.2	4.8	4.8	4.6	4.7
1936	4.8	4.7	4.5	4.5	4.0	4.1	4.5	4.8	5.9				

¹ Nominal.

Compiled from the Oil, Paint, and Drug Reporter. Average of quotations for Saturdays during the month. Price does not include 1934 excise tax of 3 cents.

TABLE 106.—Coconut oil, Manila crude: Average price per pound, in tanks, f. o. b. Pacific coast, by months, 1918-36

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Average
	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>
1918									15.9	15.9	15.5	15.4	
1919	14.1	12.6	11.6	12.6	14.8	16.4	17.8	16.8	15.5	17.0	16.9	17.5	15.3
1920	18.8	17.5	17.1	16.9	16.8	14.8	12.8	13.1	13.8	12.8	11.8	9.5	14.6
1921	9.7	8.1	7.2	7.6	8.2	8.2	8.2	8.2	8.2	8.1	7.9	7.7	8.1
1922	7.7	7.5	7.6	7.5	7.4	7.0	7.0	7.0	6.7	6.9	7.4	7.8	7.3
1923	8.2	8.2	8.7	9.1	8.5	8.0	7.9	7.8	8.2	8.2	8.3	8.2	8.3
1924	8.4	8.3	8.2	8.0	7.8	7.8	8.3	9.3	8.6	9.2	9.8	10.0	8.6
1925	9.9	9.1	9.2	8.7	8.7	9.0	9.2	9.5	10.3	11.2	11.9	10.8	9.8
1926	10.2	9.7	9.8	9.6	9.6	10.3	9.5	8.8	8.9	8.3	8.1	7.8	9.2
1927	8.1	8.3	8.1	8.1	8.2	8.1	8.1	8.1	8.3	8.8	8.7	8.4	8.3
1928	8.4	8.1	8.2	8.3	8.2	8.1	8.4	7.7	7.7	7.8	7.9	8.1	8.1
1929	8.0	7.9	7.6	7.5	6.9	6.5	7.0	6.6	6.6	6.9	6.8	6.8	7.1
1930	6.8	6.6	6.4	6.3	6.3	6.1	6.0	5.9	5.8	5.0	5.1	5.1	5.9
1931	4.8	4.5	4.5	4.6	4.2	3.8	3.0	3.6	3.3	3.2	3.5	3.4	3.9
1932	3.3	3.5	3.6	3.2	3.0	3.0	3.2	3.4	3.3	3.1	2.8	2.9	3.2
1933	3.0	2.8	2.9	2.8	3.2	3.2	3.1	3.1	3.0	2.8	2.8	2.7	3.0
1934	2.6	2.6	2.5	2.4	2.4	2.3	2.2	2.4	2.6	3.0	2.9	3.3	2.6
1935	4.2	4.7	5.6	5.0	4.9	4.3	3.3	3.4	3.8	4.5	4.3	4.2	4.4
1936	4.6	4.5	4.2	4.2	3.8	3.9	4.3	4.6	5.5				

¹ Nominal.

Compiled from the Oil, Paint, and Drug Reporter. Average of quotations for Saturdays during the month. January 1918-November 1921, reported as 5 percent acid. Price does not include 1934 excise tax of 3 cents.

TABLE 107.—Coconut oil, edible: Average price per pound, New York, by months, 1909-36

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Average ¹
	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>
1909.....	7.6	7.1	6.9	6.9	7.0	7.3	7.9	7.9	8.3	9.1	9.8	9.8	8.0
1910.....	10.1	9.6	9.7	10.3	10.6	10.2	10.1	10.8	11.2	11.5	10.8	10.3	10.4
1911.....	9.9	9.3	8.3	8.0	8.5	8.8	9.3	9.8	---	13.0	11.5	9.4	9.6
1912.....	9.8	9.7	9.7	9.9	9.9	9.9	9.8	10.0	10.7	10.9	10.8	10.6	10.1
1913.....	10.7	10.8	10.9	10.9	10.7	12.0	12.8	14.0	13.7	13.7	13.6	12.5	12.2
1914.....	11.9	11.4	11.0	10.6	10.8	10.8	11.0	14.5	15.7	16.2	14.0	14.9	12.6
1915.....	14.7	14.8	14.5	13.2	11.4	10.7	10.7	10.8	10.8	11.2	13.3	15.6	12.6
1916.....	15.4	15.6	17.2	18.0	16.8	16.0	14.8	13.6	13.8	14.8	15.1	15.8	15.6
1917.....	16.6	16.8	16.4	17.8	18.7	18.2	17.2	16.9	17.3	17.7	18.0	18.4	17.5
1918.....	19.0	19.4	19.1	19.2	18.4	18.2	18.6	18.4	18.5	19.1	18.4	18.5	18.7
1919.....	18.0	17.2	16.4	15.9	17.4	20.0	21.1	21.4	19.5	19.7	20.1	19.4	18.8
1920.....	21.1	20.2	20.1	19.2	19.8	19.1	16.8	17.0	16.2	16.5	15.0	13.7	17.9
1921.....	13.0	11.1	10.1	10.0	11.3	11.1	10.6	11.2	11.0	10.8	10.3	10.2	10.9
1922.....	10.1	9.9	10.1	9.8	9.8	9.5	9.4	9.4	9.2	9.1	9.2	9.6	9.6
1923.....	10.2	10.2	10.5	10.8	11.0	10.6	10.2	10.2	10.1	10.1	10.2	10.4	10.4
1924.....	10.4	10.5	10.4	10.2	10.1	9.8	9.9	10.8	10.8	11.2	11.8	11.8	10.6
1925.....	12.0	11.9	11.5	11.5	11.5	11.5	11.6	12.2	12.9	13.5	14.0	13.5	12.3
1926.....	12.8	12.2	12.0	12.0	12.0	12.2	12.2	11.8	11.6	11.0	---	---	12.0
1927.....	---	---	---	---	---	---	---	---	---	---	---	10.2	---
1928.....	10.2	10.2	10.2	10.2	10.2	9.6	9.6	9.5	9.5	9.5	9.6	9.8	9.8
1929.....	9.8	9.7	9.5	9.2	8.4	8.0	8.9	8.8	8.7	8.9	8.9	8.9	9.0
1930.....	8.6	8.4	8.8	8.3	8.4	7.9	7.8	7.8	7.6	7.4	7.4	7.4	8.0
1931.....	7.0	6.8	6.8	6.8	6.1	5.6	5.7	5.4	5.2	5.1	5.6	5.7	6.0
1932.....	5.1	5.2	5.4	5.3	4.7	4.8	4.9	5.4	5.3	5.2	5.1	4.6	5.1
1933.....	4.6	4.6	4.7	4.8	5.1	5.2	5.0	4.7	4.4	4.6	4.6	4.6	4.8
1934.....	4.6	4.4	4.4	4.4	4.2	4.7	4.8	4.8	5.1	5.6	5.4	5.8	4.8
1935.....	6.6	7.4	8.2	7.7	7.9	7.1	6.2	5.8	6.2	6.8	6.8	6.8	7.0
1936.....	6.9	7.0	6.8	6.7	5.8	6.1	6.2	6.9	7.9	---	---	---	---

¹ Based on months shown.

Compiled from the Oil, Paint, and Drug Reporter. Average of quotations for Saturdays during the month. Quoted as Cochin in barrels, through May 1924; beginning June 1924, as Manila edible, 76^o, in tanks; beginning Sept. 22, 1924, price is quoted including 3-cent processing tax which has been deducted in this tabulation. It should be noted that if this oil was domestically refined the tax was applicable on the weight of the crude oil; therefore deducting 3 cents from the quoted price involves some error. Ceylon and Cochin practically off the market because of higher excise tax on oils other than from the Philippines.

TABLE 108.—Copra: Average price per pound, in bags, f. o. b. Pacific coast, by months, 1917-36

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Average ¹
	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>
1917.....	8.2	8.2	8.1	8.5	9.1	9.3	8.6	9.4	9.3	9.2	9.8	9.5	8.9
1918.....	8.9	9.4	9.4	9.2	(²)	8.8	9.0	8.5	8.1	8.6	8.3	8.0	8.7
1919.....	7.4	6.4	6.5	6.5	8.0	9.8	9.9	10.1	9.0	9.1	10.0	10.2	8.5
1920.....	10.9	10.3	9.4	9.6	10.5	8.6	7.5	7.4	7.2	8.1	7.0	5.9	8.5
1921.....	5.2	4.8	4.2	4.1	4.8	4.2	4.2	4.3	4.3	4.4	4.2	4.3	4.4
1922.....	4.2	4.1	4.5	4.2	4.2	4.3	4.3	4.4	4.1	4.4	4.6	4.8	4.3
1923.....	4.9	5.1	5.6	5.8	5.2	4.6	4.4	4.4	5.0	5.0	5.0	5.1	5.0
1924.....	5.4	5.5	5.2	5.0	5.0	5.0	5.1	5.4	5.6	5.6	5.8	5.8	5.4
1925.....	5.9	5.8	5.8	5.8	5.8	5.8	5.8	6.0	6.1	6.1	6.0	6.0	5.9
1926.....	5.9	5.9	5.9	5.8	5.8	5.8	5.8	5.8	5.4	5.1	5.0	4.9	5.6
1927.....	4.9	5.2	5.0	5.0	5.1	5.1	5.1	5.1	5.1	5.1	5.2	5.2	5.1
1928.....	5.3	5.3	5.2	5.2	5.2	5.2	5.0	4.9	4.8	4.0	4.8	5.0	5.0
1929.....	4.8	4.8	4.7	4.6	4.4	4.1	4.1	4.2	4.4	4.4	4.3	4.4	4.4
1930.....	4.4	4.2	4.0	4.3	4.0	3.9	3.6	3.5	3.2	3.0	3.1	3.1	3.7
1931.....	2.8	2.6	2.8	2.8	2.5	2.1	2.4	2.1	2.0	1.9	2.2	2.0	2.4
1932.....	2.0	2.2	2.2	2.0	2.0	1.8	2.0	2.0	2.0	1.9	1.8	1.8	2.0
1933.....	1.8	1.7	1.7	1.7	1.8	1.8	1.8	1.7	1.6	1.5	1.6	1.5	1.6
1934.....	1.4	1.4	1.4	1.3	1.3	1.2	1.2	1.2	1.5	1.7	1.6	1.9	1.4
1935.....	2.5	2.9	3.3	3.0	2.9	2.5	2.1	2.0	2.2	2.5	2.4	2.4	2.4
1936.....	2.7	2.7	2.5	2.5	2.4	2.4	2.6	2.8	3.5	---	---	---	---

¹ Based on months shown.² Nominal.

Compiled from the Oil, Paint, and Drug Reporter. Average of monthly range, 1917-29; beginning 1930, average of quotations for Saturdays during the month.

TABLE 109.—*Corn oil, refined, edible: Average price per pound, carlots, in barrels, Chicago, by months, 1932-36*

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Average
	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>
1932.....	6.6	6.4	6.4	6.2	6.0	5.8	5.9	5.9	6.0	6.0	6.0	6.0	6.1
1933.....	6.0	6.0	5.6	5.6	6.2	6.5	7.0	7.0	6.6	6.5	6.5	6.2	6.3
1934.....	5.5	6.0	6.5	6.6	6.9	7.2	7.4	7.4	8.0	9.6	10.1	11.2	7.7
1935.....	11.8	12.1	12.7	11.8	10.8	10.9	10.9	10.9	10.9	11.0	11.7	12.4	11.5
1936.....	11.5	10.9	10.5	9.8	9.6	9.5	10.8	11.8	11.8	-----	-----	-----	-----

Compiled from the Oil, Paint, and Drug Reporter. Average of quotations for Saturdays during the month.

TABLE 110.—*Corn oil, crude: Average price per pound, in tanks, f. o. b. mills, by months, 1924-36*

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Average ¹
	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>
1924.....	10.4	9.8	10.1	10.6	9.8	9.7	10.5	12.0	9.3	9.8	9.9	10.5	10.3
1925.....	9.9	9.8	10.4	10.5	12.2	13.3	12.5	19.7	9.9	9.5	9.6	9.4	9.9
1926.....	7.1	8.3	8.2	7.4	7.7	8.4	8.5	8.8	9.5	9.7	9.3	9.4	8.5
1928.....	9.8	9.0	8.7	9.0	9.2	8.9	9.2	8.6	9.1	8.8	8.5	8.7	9.0
1929.....	8.9	0.4	8.8	8.4	8.1	8.1	7.8	7.9	8.3	8.1	7.9	7.9	8.3
1930.....	7.8	7.9	7.6	7.8	7.3	6.9	7.0	7.3	7.2	7.0	7.4	7.4	7.4
1931.....	7.2	7.4	7.3	6.7	5.9	5.6	6.5	6.0	4.7	3.9	4.3	3.5	5.8
1932.....	3.4	3.5	3.5	3.2	2.9	2.9	3.3	4.0	4.5	4.2	3.2	2.9	3.5
1933.....	3.0	3.0	3.2	3.4	4.6	5.0	6.3	5.2	4.3	3.9	3.8	3.7	4.1
1934.....	3.7	4.6	4.8	4.8	4.7	4.7	5.2	6.0	6.9	7.7	8.5	9.4	5.9
1935.....	9.9	10.5	10.4	9.5	8.9	9.0	8.7	8.9	9.0	9.6	9.9	10.3	9.6
1936.....	9.6	8.0	8.1	8.2	8.1	8.0	8.9	-----	-----	-----	-----	-----	-----

¹ Based on months shown.

² Nominal.

Compiled from the National Provisioner. Average of weekly range during the month.

TABLE 111.—*Corn oil, crude: Average price per pound, in barrels, New York, by months, 1917-36*

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Average ¹
	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>
1917.....	11.9	11.6	12.0	13.8	15.6	15.4	13.6	13.9	15.4	16.8	17.8	18.2	14.7
1918.....	18.4	18.5	18.5	18.8	17.9	17.1	17.5	17.8	18.0	18.4	18.2	17.9	18.1
1919.....	17.8	14.6	14.2	18.0	-----	-----	-----	-----	-----	18.3	19.2	19.5	17.4
1920.....	20.4	19.7	18.3	17.3	17.6	16.9	14.9	11.4	11.9	12.3	11.1	10.0	15.2
1921.....	8.8	8.4	8.0	7.8	7.8	7.8	7.6	8.4	9.4	9.5	9.0	8.7	8.4
1922.....	8.6	8.6	11.2	11.4	11.2	11.2	10.1	9.7	9.0	9.0	9.0	10.4	10.0
1923.....	10.8	11.2	11.8	12.5	12.1	12.1	12.1	11.0	10.8	10.8	11.6	11.8	11.6
1924.....	11.8	11.8	11.2	11.1	11.0	10.9	11.3	13.6	13.0	12.4	12.5	12.8	12.0
1925.....	12.8	12.4	12.0	12.2	11.8	11.8	12.1	12.1	12.5	12.0	12.0	11.9	12.1
1926.....	11.6	11.2	11.2	11.5	12.9	14.0	14.0	13.5	12.8	11.5	10.6	10.2	12.1
1927.....	10.0	9.9	9.8	9.8	9.9	11.0	11.0	11.2	11.6	11.8	12.0	12.0	10.8
1928.....	12.0	12.0	10.0	10.0	10.0	10.0	10.0	10.0	10.2	10.5	10.5	10.5	10.5
1929.....	10.5	10.7	11.0	10.9	10.8	10.8	10.5	9.5	9.6	10.0	10.0	10.0	10.4
1930.....	10.0	10.0	10.0	10.0	10.0	9.2	9.0	9.0	9.0	9.0	9.0	9.0	9.4
1931.....	9.0	9.0	8.9	8.5	7.9	7.6	7.9	7.8	7.2	5.8	5.9	5.8	7.6
1932.....	5.3	5.1	5.1	5.1	4.6	4.6	4.6	5.1	5.0	5.5	5.4	5.4	5.1
1933.....	5.4	5.4	5.6	5.6	6.1	6.5	7.4	7.1	6.0	5.5	5.4	5.1	5.9
1934.....	4.8	5.4	5.9	5.9	5.7	5.9	6.4	7.0	7.9	8.6	9.4	10.4	6.9
1935.....	10.9	11.5	12.2	9.5	(?)	-----	-----	-----	-----	-----	-----	-----	-----

¹ Based on months shown.

² Nominal.

³ Quotations no longer carried.

Compiled from the Oil, Paint, and Drug Reporter. Average of monthly range, 1917-28; beginning 1929, average of quotations for Saturdays during the month.

TABLE 112.—Corn oil, refined: Average price per pound, in barrels, New York, by months, 1915-36

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Average ¹
	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>
1915.....	6.6	7.0	7.2	7.2	7.4	6.9	6.3	6.1	6.6	7.7	8.1	8.4	7.1
1916.....	8.9	9.9	10.8	10.7	10.7	10.6	9.8	9.0	10.2	11.7	13.3	13.5	10.8
1917.....	12.8	12.7	12.9	15.2	16.7	16.7	15.4	15.8	17.1	19.0	20.5	20.8	16.3
1918.....	20.8	22.4	22.4	21.6	21.2	21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.6
1919.....			18.1	21.7	23.8	24.4	27.3	26.5	23.8	22.5	23.8	23.8	23.6
1920.....	23.8	23.0	21.8	20.0	20.3	20.6	19.0	16.2	16.3	16.0	14.7	13.0	18.7
1921.....	11.5	10.6	10.0	9.6	9.3	9.3	9.2	10.1	10.8	10.8	10.7	10.4	10.2
1922.....	10.2	10.7	12.9	13.0	13.0	12.7	12.4	11.4	11.0	10.6	11.2	11.4	11.7
1923.....	12.7	12.7	13.0	13.2	13.1	13.0	11.5	10.9	11.9	12.1	13.0	13.2	12.5
1924.....	13.1	13.1	12.4	12.0	12.3	12.0	13.3	14.9	14.3	13.2	13.3	13.6	13.1
1925.....	14.1	13.4	13.1	13.2	12.8	12.6	13.1	13.2	13.8	13.2	13.0	12.6	13.2
1926.....	12.6	13.0	13.0	13.0	14.0	15.8	16.0	14.6	14.0	11.9	11.8	11.3	13.4
1927.....	11.0	11.0	11.0	11.0	11.0	12.0	12.0	12.0	12.0	12.0	12.4	12.0	11.6
1928.....	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
1929.....	12.0	12.0	12.0	11.9	11.8	11.6	11.0	10.5	10.5	10.5	10.9	10.6	11.3
1930.....	10.0	10.5	10.5	10.8	11.1	10.3	10.0	10.0	10.0	10.0	10.2	10.4	10.3
1931.....	10.4	10.4	10.3	10.1	9.5	9.2	9.4	9.3	8.7	7.0	7.0	6.6	9.0
1932.....	6.2	5.9	5.9	5.9	5.8	5.8	5.8	6.3	6.6	6.5	6.4	6.4	6.1
1933.....	6.4	6.4	6.6	6.6	7.2	7.5	8.1	8.1	6.9	6.5	6.4	6.2	6.9
1934.....	5.9	6.4	6.9	6.9	6.7	6.9	7.4	8.0	8.9	9.7	10.4	11.6	8.0
1935.....	12.0	12.6	13.4	12.3	12.2	11.8	11.6	11.6	11.6	11.6	12.0	12.8	12.1
1936.....	12.6	12.1	11.0	11.1	11.0	10.9	11.8	12.6	12.8				

¹ Based on months shown.
² Nominal.

Compiled from the Oil, Paint, and Drug Reporter. Average of monthly range, 1915-21; beginning 1922, average of quotations for Saturdays during the month.

TABLE 113.—Cottonseed: Average price per ton received by producers, United States, by months, 1910-11 to 1935-36

Year	Aug. 15	Sept. 15	Oct. 15	Nov. 15	Dec. 15	Jan. 15	Feb. 15	Mar. 15	Apr. 15	May 15	June 15	July 15	Weighted average
	<i>Dol.</i>	<i>Dol.</i>	<i>Dol.</i>	<i>Dol.</i>	<i>Dol.</i>	<i>Dol.</i>	<i>Dol.</i>	<i>Dol.</i>	<i>Dol.</i>	<i>Dol.</i>	<i>Dol.</i>	<i>Dol.</i>	<i>Dol.</i>
1910-11.....		26.23	26.86	25.36	25.65	26.35	25.61	25.41	26.12	25.46	23.38	22.70	25.82
1911-12.....	20.45	18.09	16.73	16.69	16.70	16.57	16.81	18.21	18.62	19.21	19.24	19.04	17.08
1912-13.....	18.02	17.61	18.04	18.57	21.42	21.98	22.01	21.55	21.89	21.88	21.64	21.37	19.10
1913-14.....	20.24	21.07	22.01	22.46	23.48	22.70	23.37	23.60	24.17	23.56	23.62	22.78	22.39
1914-15.....	20.16	13.88	15.28	14.01	17.73	19.14	23.33	22.32	22.00	22.07	20.82	20.05	16.50
1915-16.....	20.14	20.98	33.73	34.01	35.54	36.85	36.75	36.56	38.13	37.91	35.79	36.00	32.65
1916-17.....	35.22	41.13	47.19	55.82	56.35	52.53	51.43	53.18	55.94	55.61	57.19	56.90	49.13
1917-18.....	56.81	57.58	65.02	69.38	68.29	67.51	66.95	68.27	68.06	68.16	66.03	64.11	66.15
1918-19.....	61.34	67.00	65.85	64.97	65.05	64.93	64.65	64.00	64.28	63.83	63.80	64.24	65.23
1919-20.....	69.25	62.13	60.65	72.65	69.07	69.88	69.34	67.18	68.71	69.88	68.16	61.64	67.27
1920-21.....	43.22	29.90	28.94	26.00	19.83	18.96	19.76	18.62	17.23	17.28	17.06	18.76	22.95
1921-22.....	22.66	27.19	31.05	29.15	28.78	29.24	30.17	32.72	40.79	40.21	37.71	36.92	29.72
1922-23.....	32.44	25.37	31.79	40.18	42.93	43.35	45.16	46.32	47.80	46.58	43.14	41.42	34.70
1923-24.....	37.47	40.88	40.80	45.92	45.54	44.37	43.27	41.34	40.42	40.53	39.96	39.07	42.23
1924-25.....	38.44	31.74	31.95	33.57	35.48	37.50	37.14	38.21	37.95	38.61	36.66	36.41	34.08
1925-26.....	36.52	33.48	32.82	27.64	27.87	28.40	29.06	29.47	31.61	30.84	31.89	31.31	30.82
1926-27.....	29.73	27.38	20.06	18.66	18.05	18.55	22.39	25.43	25.80	26.05	26.27	26.59	21.55
1927-28.....	25.95	34.41	36.60	37.51	37.14	37.40	37.44	37.77	39.40	43.00	41.25	39.27	35.94
1928-29.....	36.87	31.02	34.08	37.17	37.74	38.05	38.73	39.36	38.94	37.18	35.83	34.84	35.26
1929-30.....	32.69	31.03	31.40	30.75	30.31	28.95	28.89	28.63	29.74	30.61	29.66	27.35	30.43
1930-31.....	23.99	23.89	20.73	21.26	21.28	21.25	21.87	22.43	22.85	22.32	20.32	19.52	21.93
1931-32.....	14.71	8.93	7.66	11.61	11.01	10.38	10.12	10.17	9.78	9.66	8.85	8.01	9.52
1932-33.....	9.13	11.28	10.45	9.54	8.87	8.81	8.01	9.22	10.03	12.00	12.96	16.59	10.35
1933-34.....	15.60	12.11	12.58	13.67	15.35	16.18	18.90	20.84	21.88	22.23	21.60	22.18	14.21
1934-35.....	25.46	31.54	35.62	37.03	39.90	40.27	40.81	40.08	39.47	39.36	37.67	34.53	34.70
1935-36.....	29.22	27.65	32.00	33.27	32.95	31.72	31.08	30.95	31.28	30.67	29.01	30.42	

TABLE 114.—*Cottonseed oil, crude: Average price per pound, in tanks, f. o. b. southeastern mills, by months, 1909-36*

Year beginning August--	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Average ¹	
													Year beginning August	Year beginning January
	Cents	Cents	Cents	Cents	Cents	Cents	Cents	Cents	Cents	Cents	Cents	Cents	Cents	Cents
1909	5.01	4.82	5.63	5.97	6.32	6.18	6.12	6.46	7.03	7.12	7.27	7.27	6.27	-----
1910	-----	7.00	6.44	6.17	6.20	6.14	5.80	6.55	5.20	5.43	5.47	4.88	5.84	6.60
1911	4.27	4.80	4.38	4.40	4.15	4.36	4.52	4.60	5.48	6.22	5.80	5.30	4.86	5.04
1912	5.24	4.95	4.84	5.02	5.27	5.22	5.36	5.44	6.03	5.87	6.23	6.20	5.47	5.13
1913	6.10	6.18	5.94	6.06	5.83	6.10	6.16	6.30	6.60	6.63	6.26	6.40	6.20	5.87
1914	5.26	5.36	4.71	4.54	4.44	4.55	5.81	6.00	5.60	5.16	5.09	4.83	5.16	5.72
1915	4.40	5.41	6.07	6.64	7.31	7.71	7.67	8.72	9.18	9.61	9.54	9.20	7.67	6.67
1916	8.85	8.82	10.10	11.35	11.35	11.10	11.20	11.64	13.20	14.10	14.67	14.00	11.70	9.34
1917	13.92	13.80	15.93	17.40	17.33	17.50	17.50	17.60	17.50	17.50	17.50	17.50	16.74	14.03
1918	17.50	17.50	17.50	17.50	17.50	17.50	17.50	17.50	17.50	17.50	21.56	21.75	18.19	17.50
1919	21.75	17.38	18.25	18.95	18.46	19.74	18.25	17.69	16.19	15.62	15.50	11.50	17.27	18.63
1920	10.00	10.25	10.35	7.08	6.19	6.10	5.80	4.70	4.43	5.34	5.74	6.76	6.90	13.20
1921	6.75	7.81	7.26	7.00	7.02	7.16	8.28	10.16	0.80	10.00	9.75	8.88	8.32	6.23
1922	8.50	6.46	7.34	8.30	8.52	9.84	9.92	10.45	10.25	9.88	9.75	9.00	9.02	8.60
1923	-----	9.94	9.44	9.88	9.45	9.46	8.84	8.46	8.74	8.20	8.78	10.06	9.20	9.80
1924	11.30	8.34	9.03	8.85	9.09	9.48	9.20	9.95	10.00	9.94	9.75	-----	9.54	9.15
1925	-----	9.14	8.55	8.90	8.98	9.75	16.71	11.00	11.22	12.17	-----	-----	10.05	9.33
1926	10.88	8.19	7.44	6.64	6.36	6.94	8.20	7.73	7.33	7.74	8.04	-----	7.77	9.44
1927	8.70	9.25	9.45	9.05	8.72	8.48	7.75	8.44	8.75	8.88	-----	-----	8.75	8.29
1928	-----	8.10	8.14	8.24	8.38	8.63	9.12	9.00	8.37	7.94	-----	-----	8.44	8.36
1929	-----	7.66	7.33	7.38	7.26	7.24	7.40	7.13	7.48	7.32	6.95	7.00	7.29	8.08
1930	6.76	6.48	6.14	6.35	6.12	6.18	6.37	6.75	6.72	6.38	6.27	-----	6.41	6.86
1931	-----	3.60	3.64	3.80	3.33	3.24	3.22	3.12	2.61	2.56	2.86	3.24	3.19	5.29
1932	3.71	3.71	3.25	3.00	2.72	2.90	2.74	2.88	3.18	4.16	4.38	5.45	3.51	3.10
1933	4.48	3.57	3.23	3.58	3.43	3.56	4.18	4.44	4.40	4.23	4.68	5.10	4.07	3.66
1934	5.05	6.55	7.20	7.01	8.94	9.58	10.03	9.82	9.31	9.38	8.97	8.45	8.48	5.57
1935	8.72	8.74	9.17	9.16	9.36	8.91	8.45	8.30	8.36	7.62	8.08	8.57	8.63	9.22
1936	8.86	8.86	8.62	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----

¹ Based on months shown.

² Government price control, January 1918-May 1919.

³ January 1920-July 1930, quoted in barrels.

⁴ Less than 10 price quotations during the month. Other quotations were bids.

⁵ Nominal.

Compiled as follows: January 1913-December 1918, from the War Industries Board Price Bulletin No. 15. Described as prices received by representative producers at markets nearest the points of production in order to exclude the price of transportation and storage. October 1932-June 1933, from the New York Journal of Commerce. Average of quotations for Saturdays during the month. Quotations for the other years from the Oil, Paint, and Drug Reporter. Average of quotations for Saturdays during the month, except September 1928-July 1934, average of daily quotations during the month.

TABLE 115.—*Cottonseed oil, prime summer yellow: Average spot price per pound, New York, by months, 1890-1936*

Year beginning August--	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Average	
													Year beginning August	Year beginning January
	Cents	Cents	Cents	Cents	Cents	Cents	Cents	Cents	Cents	Cents	Cents	Cents	Cents	Cents
1890	-----	-----	-----	-----	-----	4.67	4.61	4.80	5.07	5.48	5.48	5.50	-----	-----
1891	5.26	5.12	4.67	3.90	3.93	3.91	3.90	3.82	4.17	4.23	4.28	4.29	4.29	4.87
1892	4.17	4.12	4.00	4.43	5.51	6.66	8.15	7.47	6.10	6.50	5.85	5.67	5.73	4.24
1893	5.60	5.18	5.28	5.03	4.53	4.74	4.62	4.21	4.39	4.37	4.34	4.42	4.72	6.01
1894	4.39	4.60	4.22	3.90	3.85	3.68	3.54	3.50	3.58	3.65	3.60	3.58	3.85	4.34
1895	3.67	3.55	3.70	3.88	3.84	3.78	3.50	3.41	3.52	3.32	3.31	3.20	3.50	3.65
1896	3.07	3.15	3.65	3.56	3.12	3.08	3.12	3.13	3.10	3.18	3.12	3.28	3.20	3.37
1897	3.47	3.57	3.17	2.87	2.91	3.02	3.01	3.02	3.03	3.38	3.33	3.14	3.16	3.17
1898	3.12	2.97	2.97	2.95	2.93	3.12	3.34	3.49	3.52	3.38	3.42	3.42	3.22	3.07
1899	3.51	3.52	3.94	3.73	4.29	4.75	5.02	4.83	5.04	5.00	4.77	4.90	4.44	3.56
1900	4.58	4.81	4.80	4.40	4.02	4.09	4.07	4.23	4.73	6.69	5.04	5.10	4.54	4.74
1901	5.32	5.47	5.48	4.71	5.27	5.68	5.50	5.68	5.65	6.11	6.00	5.84	5.55	4.84
1902	5.04	5.38	5.08	4.71	4.98	5.39	5.41	5.48	5.73	5.71	5.64	5.71	5.40	5.51

TABLE 115.—Cottonseed oil, prime summer yellow: Average spot price per pound, New York, by months, 1890-1936—Continued

Year beginning August—	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Average		
													Year beginning August	Year beginning January	
1903.....	Cents 5.54	Cents 5.49	Cents 5.20	Cents 4.55	Cents 4.77	Cents 4.84	Cents 5.00	Cents 4.94	Cents 4.32	Cents 3.78	Cents 3.88	Cents 3.46	Cents 4.60	Cents 4.60	Cents 5.39
1904.....	3.78	3.88	3.76	3.68	3.31	3.12	3.52	3.43	3.46	3.08	3.80	3.83	3.83	4.05	4.05
1905.....	4.03	3.62	3.47	3.83	3.97	4.41	4.20	4.50	4.92	5.18	4.95	5.08	4.35	3.65	3.65
1906.....	5.00	5.08	5.70	5.34	5.55	5.95	6.27	6.20	6.12	7.30	7.81	7.49	6.16	4.99	4.99
1907.....	7.34	7.37	6.46	6.65	5.02	6.08	5.53	5.34	5.70	6.09	6.33	6.07	6.00	6.50	6.50
1908.....	6.14	6.27	6.10	5.13	6.15	5.53	5.53	5.45	5.57	5.73	5.71	5.55	5.40	5.68	5.68
1909.....	5.46	5.94	6.60	6.84	7.32	7.30	7.14	7.48	7.76	7.99	7.96	8.51	7.19	5.94	5.94
1910.....	10.84	10.12	8.11	7.29	7.24	7.32	7.03	6.60	6.19	6.55	6.43	5.89	7.47	8.14	8.14
1911.....	5.85	6.96	5.97	5.73	5.37	5.39	5.54	5.69	6.46	7.18	6.86	6.67	6.14	6.32	6.32
1912.....	6.47	6.38	6.22	6.01	6.30	6.25	6.35	6.44	6.96	7.01	7.70	9.11	6.77	6.26	6.26
1913.....	8.88	7.67	7.00	7.05	6.80	6.98	7.12	7.38	7.51	7.18	7.30	7.18	7.24	7.27	7.27
1914.....	6.67	6.87	5.22	5.55	5.83	6.56	7.08	6.70	6.61	6.40	6.18	6.00	6.23	6.65	6.65
1915.....	5.78	6.30	7.71	7.93	8.38	8.99	9.59	10.53	10.73	10.91	10.91	10.04	8.98	8.81	8.81
1916.....	9.27	10.17	11.75	12.53	12.38	12.32	12.51	13.62	15.30	16.23	16.20	14.52	13.07	10.05	10.05
1917.....	14.84	16.44	17.99	18.59	18.65	20.09	20.33	19.84	19.75	20.00	20.25	20.25	18.91	15.61	15.61
1918.....	20.25	20.25	20.25	20.25	20.25	20.25	20.25	20.25	21.25	21.25	21.25	20.73	27.37	21.41	20.16
1919.....	25.88	21.33	23.00	22.75	21.50	21.86	19.67	19.07	18.54	19.21	16.70	13.21	20.23	22.51	22.51
1920.....	12.32	13.48	11.43	10.14	8.91	8.59	7.34	6.26	6.24	7.22	7.46	8.57	9.00	15.38	15.38
1921.....	8.69	9.88	8.69	8.30	8.28	8.62	9.96	11.48	11.57	11.71	11.33	10.87	9.95	7.96	7.96
1922.....	9.96	8.54	8.88	9.51	9.81	10.77	10.90	11.78	11.76	11.60	11.48	10.35	10.44	10.20	10.20
1923.....	10.34	11.62	12.01	11.67	11.00	11.00	10.03	9.77	10.09	9.82	10.42	11.98	10.81	11.27	11.27
1924.....	13.83	10.54	11.00	10.86	11.41	11.10	10.69	11.10	11.08	10.51	10.75	11.38	11.19	10.90	10.90
1925.....	11.00	10.81	9.86	10.32	10.47	11.33	11.28	12.24	12.38	14.48	15.38	14.90	12.05	10.70	10.70
1926.....	12.99	11.42	8.82	8.20	8.22	8.50	9.31	9.39	8.78	9.00	9.19	9.57	9.46	11.81	11.81
1927.....	9.89	10.74	10.83	10.55	10.06	10.02	9.27	9.64	10.04	10.52	10.22	10.03	10.16	9.66	9.66
1928.....	9.44	10.03	9.84	9.60	10.21	10.33	10.88	10.74	10.11	9.75	9.64	9.62	10.02	9.91	9.91
1929.....	9.27	9.19	9.23	9.01	8.77	8.46	8.40	8.41	8.80	8.76	8.23	7.99	8.72	9.71	9.71
1930.....	8.34	8.20	7.60	7.57	7.28	7.20	7.29	7.58	7.55	6.99	6.70	7.00	7.45	8.18	8.18
1931.....	5.77	4.39	4.48	4.55	4.09	4.08	3.95	3.96	3.40	3.18	3.34	3.83	4.09	6.14	6.14
1932.....	4.51	4.48	3.97	3.75	3.48	3.62	3.53	3.77	4.08	4.99	5.48	6.17	4.32	3.83	3.83
1933.....	5.16	4.61	4.10	4.50	4.30	4.70	5.10	5.10	5.20	5.09	5.30	5.90	4.92	4.53	4.53
1934.....	6.80	7.50	8.10	9.20	10.10	10.86	11.36	10.83	10.26	10.50	10.10	9.60	9.60	6.60	6.60
1935.....	9.90	10.20	10.40	10.30	10.70	10.10	9.70	9.40	9.40	8.80	9.10	9.80	9.82	10.42	10.42
1936.....	10.10	10.20	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----

Compiled as follows: January 1891-December 1907, from the Oil, Paint, and Drug Reporter. Average of weekly quotations during the month. January 1908-December 1921, from the Annual Statistical Report of the New York Produce Exchange. January 1922-December 1933, from the Oil, Paint, and Drug Reporter. Average of daily quotations during the month. January 1934-36, from Bureau of Labor Statistics Wholesale Price Bulletins. Prices quoted in gallons have been converted to pounds on basis of 7.5 pounds to gallon. Under old system the contract grade of oil on New York market was prime summer yellow. This is not the top grade; in making lard compound, a "bleachable prime summer yellow" is used. Prior to August 1930, quoted in barrels, thereafter in tanks. The old package was a wooden barrel. The new package is a tank car of 60,000 pounds. The export market, when the chief outlet, asked for a barrel delivery as did also the small scattered domestic industries. With increase in size and importance of domestic plants, oil began to be sold in bulk or "loose" as the trade terms it. (BOYLE, J. E. COTTONSEED OIL EXCHANGES, ANNALS OF AMERICAN ACADEMY OF POLITICAL SCIENCE. 155: 167, 172, May 1931.)

TABLE 116.—Cottonseed oil, white deodorized (edible): Average price per pound—Chicago, by months, 1920-36

Year beginning August—	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Average	
	Year beginning August	Year beginning January												
	Cents	Cents	Cents	Cents	Cents	Cents	Cents	Cents	Cents	Cents	Cents	Cents	Cents	Cents
1920	18.7	15.7	14.7	13.7	12.6	12.6	10.1	9.2	8.5	8.2	8.5	9.5	11.7	
1921	10.2	11.3	11.3	11.1	10.0	10.0	11.0	13.0	12.8	12.8	12.8	12.4	11.7	10.1
1922	12.2	10.2	9.8	10.0	11.1	11.8	11.9	12.8	13.2	12.6	12.9	11.9	11.8	11.6
1923	11.1	12.9	13.6	14.1	13.1	12.9	12.6	11.8	11.8	12.8	12.0	13.5	12.6	12.7
1924	18.0	14.3	13.1	12.9	13.5	12.9	12.5	12.6	13.0	12.8	13.0	13.3	13.3	13.0
1925	13.4	12.8	12.2	11.9	11.8	12.7	12.9	13.6	13.9	15.0	16.4	16.2	13.6	12.7
1926	14.6	13.4	12.9	12.3	11.6	10.0	10.2	10.6	10.6	10.8	10.8	10.8	11.6	13.8
1927	12.0	12.5	12.7	12.4	11.8	11.6	10.4	10.4	10.4	10.9	10.9	10.9	11.4	11.3
1928	10.6	10.7	10.7	10.8	10.9	10.9	11.1	11.1	11.1	10.8	10.6	10.6	10.8	10.8
1929	10.6	10.6	10.4	10.4	10.5	10.5	10.5	10.0	9.9	9.9	9.6	9.6	10.2	10.7
1930	9.6	9.5	9.4	9.4	9.4	9.4	9.4	9.4	9.6	9.1	8.8	9.1	9.3	9.8
1931	8.9	7.4	6.8	7.1	6.8	6.5	6.5	6.6	6.1	5.9	6.0	6.3	6.7	8.5
1932	6.6	6.9	6.8	6.4	6.2	6.5	6.6	7.1	6.7	7.1	7.2	7.7	6.8	6.4
1933	7.1	6.1	5.0	5.6	5.4	5.5	6.6	6.0	6.8	6.6	6.8	6.9	6.3	6.6
1934	7.1	7.8	9.6	10.2	11.4	13.4	13.8	13.4	13.0	12.2	11.8	11.1	11.2	7.7
1935	11.8	11.1	11.5	11.3	11.3	10.8	10.4	10.4	10.4	10.1	10.2	10.4	10.8	12.1
1936	10.8	10.8												

¹ July 1924-November 1929, quoted as c. i. f., Chicago.

² Beginning December 1929, quoted as f. o. b., Chicago.

Compiled from the National Provisioner. Average of weekly range during the month. No container given prior to July 30, 1921; beginning that date, through Mar. 25, 1922, quoted in packages; thereafter in barrels.

TABLE 117.—Flaxseed: Average price per bushel received by producers, United States, by months, 1907-08 to 1936-37

Year	July 15	Aug. 15	Sept. 15	Oct. 15	Nov. 15	Dec. 15	Jan. 15	Feb. 15	Mar. 15	Apr. 15	May 15	June 15	Weighted average
	Cents	Cents	Cents	Cents	Cents	Cents	Cents	Cents	Cents	Cents	Cents	Cents	Cents
1907-08							100.2	102.0	103.0	103.9	107.0	108.6	
1908-09	107.8	108.5	108.3	107.6	113.4	120.8	128.5	135.6	143.4	147.2	151.0	153.3	115.8
1909-10	145.1	130.0	123.0	131.3	148.4	162.0	182.0	193.0	193.5	201.7	202.5	189.5	142.4
1910-11	196.6	214.8	227.2	231.8	230.6	226.4	227.5	237.3	237.6	238.2	233.4	215.3	228.3
1911-12	202.4	201.4	204.3	207.8	196.4	184.6	189.0	187.4	187.6	186.2	193.0	201.7	190.5
1912-13	180.8	168.9	155.2	140.6	124.0	110.4	107.8	114.2	116.3	114.0	115.0	114.6	128.8
1913-14	110.0	123.2	125.2	120.6	119.3	122.0	126.0	130.2	132.6	133.8	135.8	136.4	123.1
1914-15	143.4	145.0	133.4	123.0	122.4	130.4	149.2	160.8	162.8	168.6	169.6	161.0	131.2
1915-16	148.6	144.0	145.8	155.5	168.4	180.0	198.4	206.7	202.3	197.0	184.2	169.8	168.6
1916-17	170.8	184.2	194.7	217.0	241.6	249.6	252.2	253.4	259.0	283.4	299.7	298.4	229.2
1917-18	274.8	287.2	305.6	302.2	296.2	303.7	318.8	338.2	364.8	376.5	368.4	356.4	311.2
1918-19	379.9	398.8	381.0	357.4	337.0	333.9	318.9	318.8	338.0	355.0	375.4	410.7	357.8
1919-20	492.4	529.0	477.8	410.2	410.3	436.0	445.0	464.6	464.2	462.0	434.6	390.4	442.1
1920-21	331.6	297.0	285.0	259.9	208.4	170.2	160.0	153.4	146.5	134.2	135.7	145.8	232.8
1921-22	154.0	163.4	163.8	154.0	145.0	148.1	162.1	194.6	217.4	224.6	233.8	230.0	165.4
1922-23	217.2	200.8	189.1	199.4	211.0	217.8	229.9	245.4	261.6	279.5	273.1	248.4	207.6
1923-24	228.8	210.4	208.4	212.1	211.4	218.8	218.8	224.9	223.7	217.7	222.6	213.1	212.5
1924-25	218.1	210.2	201.2	210.8	222.7	235.8	271.8	275.3	267.8	244.7	251.8	246.8	217.9
1925-26	227.6	229.5	227.9	228.9	228.1	232.1	224.5	216.4	202.9	207.0	205.4	203.9	226.4
1926-27	208.7	216.7	211.3	197.5	195.5	190.4	193.0	195.7	195.1	196.1	205.7	204.7	203.2
1927-28	198.4	203.7	197.1	191.2	184.2	185.3	188.4	189.9	194.8	198.4	210.5	209.0	192.5
1928-29	195.5	181.7	181.6	198.1	198.1	205.4	211.1	218.4	219.2	216.4	214.7	217.0	193.9
1929-30	233.2	259.5	285.4	300.5	285.1	287.7	279.8	275.0	261.5	263.7	245.9	245.6	281.2
1930-31	192.7	191.9	168.1	152.2	133.6	137.6	131.7	126.2	130.4	128.6	129.9	120.1	161.0
1931-32	132.0	120.4	113.1	108.5	121.9	118.7	116.1	116.0	118.7	116.1	106.7	86.2	116.6
1932-33	80.8	79.3	88.1	87.7	87.1	82.8	90.8	87.1	88.0	94.8	118.6	130.3	88.1
1933-34	188.8	163.0	164.4	149.0	155.1	161.1	161.4	164.8	160.4	155.0	163.7	167.8	162.6
1934-35	168.0	176.7	175.2	167.1	161.7	168.8	167.7	167.0	159.4	161.3	156.0	149.3	169.9
1935-36	133.7	134.5	135.3	151.8	153.2	158.4	161.3	159.9	153.9	148.3	147.3	140.8	146.0
1936-37	184.3	191.8	180.9										

TABLE 118.—*Linseed oil, raw: Average price per pound, in tank carlots, Minneapolis, by months, 1925-36*

Year beginning July—	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	Average ¹	
													Year beginning July	Year beginning January
	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>
1925							11.1	9.9	10.2	9.0				
1926	11.3	11.4	10.5	10.2	10.0	10.1	10.0	10.2	9.8	9.7	10.4	10.4	10.3	10.4
1927	9.9	9.8	9.4	9.1	9.0	8.8	8.8	8.9	9.4	9.0	9.2	9.4	9.2	9.7
1928	9.0	8.8	8.7	9.2	9.2	9.3	9.4	9.6	9.6	9.6	9.5	9.7	9.3	9.1
1929	11.2	12.2	14.9	15.0	14.4	14.4	13.5	13.4	13.4	13.6	13.3	13.3	13.6	11.6
1930	13.0	12.4	9.8	8.8	8.4	8.2	7.9	8.2	8.6	8.4	8.3	8.1	9.2	11.8
1931	8.8	7.9	7.1	6.6	7.1	6.4	6.2	6.1	6.2	6.1	5.8	5.5	6.6	7.8
1932	4.0	4.7	5.2	5.5	5.9	6.0	6.6	6.4	6.6	6.9	8.2	8.8	6.3	5.7
1933	10.3	10.0	10.0	9.4	9.2	9.1	8.9	8.8	8.9	8.8	9.2	9.0	9.4	8.5
1934	9.4	9.4	9.1	9.0	8.6	8.5	8.4	8.7	9.0	9.1	9.2	9.1	9.0	9.0
1935	9.0	8.2	8.2	9.0	9.0	9.3	9.5	9.4	9.3	9.2	9.0	9.0	9.0	8.8
1936	9.8	10.1	9.9											

¹ Based on months shown.

Compiled from the Oil, Paint, and Drug Reporter. Average of quotations for Saturdays during the month.

TABLE 119.—*Linseed oil, raw: Average price per pound, carlots, in barrels, New York, by months, 1910-36*

Year beginning July—	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	Average ¹	
													Year beginning July	Year beginning January
	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>
1910			12.0	12.0	12.7	12.7	12.7	12.8	12.8	12.1	12.1	11.0	12.4	11.7
1911	11.6	10.7	11.6	11.7	11.2	9.5	9.9	9.5	9.3	9.7	9.7	10.1	10.4	9.0
1912	10.3	8.8	8.8	8.3	7.5	5.7	5.6	6.1	6.0	5.9	6.1	6.0	7.1	6.2
1913	6.3	6.5	6.7	6.3	6.1	6.4	6.4	6.4	6.7	6.8	6.7	6.7	6.5	6.7
1914	6.9	7.9	7.6	6.5	5.9	6.0	6.4	7.5	7.3	7.7	8.3	8.4	7.2	7.5
1915	7.2	6.7	6.9	7.3	8.0	8.1	8.8	9.6	10.3	10.1	10.0	8.9	8.5	10.0
1916	8.4	9.5	9.3	10.9	12.0	12.3	12.5	12.5	13.1	15.1	16.0	15.8	12.3	15.1
1917	15.8	16.1	16.1	15.2	15.7	16.4	17.2	17.6	19.8	20.8	20.9	21.2	17.7	21.1
1918	23.2	25.2	24.7	20.8	21.0	20.7	20.0	19.3	19.7	20.5	21.4	24.1	21.7	23.4
1919	28.0	29.6	27.2	23.9	23.3	24.3	23.6	23.6	23.4	23.9	22.7	21.8	24.0	9.4
1920	20.7	19.0	16.1	15.3	12.1	10.9	10.3	8.8	8.8	8.1	9.0	9.9	12.4	10.3
1921	10.1	10.0	10.0	9.1	8.9	9.1	8.9	10.5	11.2	10.5	12.0	11.3	10.1	11.2
1922	11.3	11.6	11.6	11.8	11.5	11.7	11.1	12.4	13.5	15.4	15.4	14.9	12.7	13.1
1923	13.9	12.7	11.1	12.4	12.1	12.2	12.2	12.4	12.3	12.0	12.4	12.3	12.3	13.0
1924	13.1	13.7	13.6	13.7	14.4	14.5	15.4	15.5	15.3	14.0	14.0	14.0	14.3	13.9
1925	13.0	13.5	13.7	13.2	12.8	12.5	11.8	11.3	11.0	10.8	10.8	10.6	12.1	11.1
1926	11.8	11.7	11.2	10.7	11.4	10.6	10.6	10.4	10.3	10.8	11.2	11.2	11.0	10.4
1927	10.6	10.7	10.3	9.9	9.8	9.6	9.8	9.8	9.9	9.8	10.4	10.3	10.1	10.0
1928	10.0	9.8	9.8	10.2	10.2	10.0	10.0	10.2	10.2	10.1	10.2	10.6	10.1	12.2
1929	12.2	12.8	15.4	15.8	14.8	14.7	14.0	14.0	14.0	14.2	14.0	14.0	14.2	12.5
1930	13.0	13.0	10.4	9.8	9.4	9.0	8.8	9.2	9.4	9.1	8.8	8.6	10.0	8.4
1931	9.1	8.3	7.6	7.3	7.5	7.0	6.7	6.1	6.7	6.6	6.1	5.9	7.1	6.3
1932	5.6	5.5	6.0	6.3	6.7	6.9	7.3	7.2	7.4	7.7	8.6	9.4	7.0	9.0
1933	10.8	10.5	10.4	9.6	9.6	9.5	9.2	9.2	9.3	9.3	9.6	9.9	9.7	9.3
1934	9.8	9.8	9.4	9.1	8.7	8.8	8.9	9.2	9.5	9.5	9.6	9.6	9.3	9.4
1935	9.3	8.7	9.0	9.7	9.7	10.1	10.1	10.0	9.9	9.6	9.5	9.0	9.6	
1936	10.1	10.3	10.2											

¹ Based on months shown.

Compiled as follows: 1910-15, from Bureau of Labor Statistics. 1916, from War Industries Board. 1917-36, from the Oil, Paint, and Drug Reporter. Average of monthly range, 1917-26; beginning 1927, average of quotations for Saturdays during the month. Through September 1926, prices have been converted from gallon price on basis of 7.5 pounds to gallon.

TABLE 120.—*Olive oil, denatured: Average price per pound, in barrels, New York, by months, 1913-36*

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Average ¹
	Cents	Cents	Cents	Cents	Cents	Cents	Cents	Cents	Cents	Cents	Cents	Cents	Cents
1913	12.0	12.0	11.9	11.8	11.5	11.5	11.4	11.2	11.2	11.2	11.2	11.1	11.5
1914	11.3	11.6	11.7	11.6	11.2	11.2	11.0	13.7	14.5	13.9	13.7	13.7	12.4
1915	12.6	11.7	12.2	12.3	12.4	11.7	11.4	11.5	11.6	11.6	11.9	12.3	11.9
1916	12.4	12.6	12.7	12.8	12.4	11.9	11.6	12.0	12.7	14.0	14.4	14.4	12.8
1917	15.2	18.2	18.4	18.2	20.0	21.5	22.5	24.8	27.8	31.4	31.7	37.3	23.9
1918	41.1	40.7	42.5	48.0	51.4	53.0	57.2	58.3	58.3	58.3	53.5	55.6	51.5
1919		36.7	29.3	29.8	30.1	30.0	29.9	33.1	33.3	32.7	33.0	32.7	31.9
1920	36.7	38.2	29.7	29.3	40.0		41.5	40.5	40.0			38.0	39.3
1921	35.1	28.4	24.1	20.1	18.3	19.0	18.1	15.7	14.9	14.7	15.3	15.2	20.0
1922	14.8	14.8	15.1	15.3	15.7	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.4
1923	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.1	15.1	15.1	15.0	15.0	15.3
1924	15.3	15.9	17.3	17.1	16.8	16.1	16.3	16.3	16.3	16.0	16.3	16.3	16.3
1925	16.3	16.3	16.3	16.3	16.3	16.3	15.7	16.0	16.4	16.4	16.3	16.4	16.2
1926	16.5	16.3	16.3	16.1	15.6	16.0	16.0	15.7	17.1	18.9	19.0	18.4	16.9
1927	18.1	21.3	22.9	22.7	22.9	23.5	24.3	22.9	23.3	23.3	22.4	19.9	22.3
1928	18.5	17.9	17.6	17.6	17.6	17.6	16.7	17.1	18.9	18.9	18.9	18.9	18.0
1929	18.9	18.5	18.4	18.1	16.8	16.3	16.0	14.9	14.7	14.1	12.7	12.5	16.0
1930	12.5	11.7	10.9	10.9	10.5	9.8	9.5	11.2	11.2	11.2	11.3	11.7	11.1
1931	11.3	10.8	10.8	10.7	10.5	10.1	10.0	10.0	10.1	10.0	9.1	8.5	10.2
1932	9.1	9.9	9.3	8.9	8.3	8.1	8.1	7.9	7.7	7.7	7.3	7.3	8.3
1933	7.6	7.6	7.7	7.9	8.5	8.9	8.9	9.0	9.0	10.0	10.1	10.3	9.0
1934	10.7	11.3	11.7	11.9	11.9	11.7	11.3	11.3	11.3	11.3	11.3	11.3	11.4
1935	11.9	12.5	11.6	11.5	11.1	11.1	11.2	11.2	10.9	11.3	11.5	10.8	11.4
1936	10.4	10.4	9.9	9.6	9.9	10.0	10.3	16.7	20.7				

¹ Based on months shown.² Nominal.

Compiled from the Oil, Paint, and Drug Reporter. Average of monthly range, 1913-26; beginning 1927, average of quotations for Saturdays during the month. Quoted in gallons and converted to pound price on basis of 7.5 pounds to gallon.

TABLE 121.—*Olive oil, edible: Average price per pound, in barrels, New York, by months, 1912-36*

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Average
	Cents	Cents	Cents	Cents	Cents	Cents	Cents	Cents	Cents	Cents	Cents	Cents	Cents
1912	10.7	10.7	10.3	9.5	9.2	9.2	9.5	9.7	10.9	11.7	12.0	12.0	10.4
1913	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.3	11.2	11.1	11.6
1914	11.1	11.1	11.1	11.1	11.3	11.3	11.3	11.3	13.3	13.3	13.3	13.1	11.9
1915	13.1	11.5	11.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.0	12.0	12.2
1916	12.0	12.0	12.7	12.8	12.8	11.3	11.7	11.7	12.3	13.1	14.0	14.0	12.5
1917	14.7	16.7	18.0	18.0	18.0	20.0	21.3	25.3	26.0	30.0	31.3	36.7	23.0
1918	38.7	41.3	41.3	40.7	52.0	52.0	56.7	56.7	56.7	56.7	56.7	56.7	51.0
1919	64.3	38.8	38.8	36.1	34.9	39.3	40.0	41.2	41.2	41.1	41.7	40.1	41.5
1920	42.9	42.5	42.4	43.3	45.0	50.1	50.9	48.1	46.1	46.1	45.3	41.1	45.4
1921	37.3	32.8	29.5	26.1	26.7	29.6	27.0	23.3	26.0	26.1	25.6	27.0	28.2
1922	25.5	25.3	25.3	27.7	30.0	27.3	27.2	26.7	26.7	26.7	26.5	26.0	20.7
1923	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.2	26.3	26.3	26.1
1924	26.4	27.2	30.0	30.0	28.8	27.3	27.5	27.7	27.6	27.3	27.3	27.3	27.9
1925	27.3	29.3	29.3	29.3	29.3	29.3	29.3	29.3	29.9	30.0	30.0	30.0	29.4
1926	30.0	30.0	29.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.7
1927	28.3	28.8	31.3	31.3	34.4	34.4	34.9	34.9	34.9	34.9	34.9	34.0	33.2
1928	34.9	33.3	31.7	31.7	31.2	30.7	30.7	30.7	30.9	30.9	30.9	30.9	31.5
1929	30.9	30.9	30.9	30.9	30.9	30.9	30.9	29.7	29.3	29.3	29.3	29.3	30.3
1930	29.3	29.3	29.3	29.3	28.5	26.0	25.1	25.1	25.1	25.1	25.1	25.1	26.9
1931	25.1	25.1	25.1	23.7	23.7	23.7	23.7	23.7	23.7	23.7	23.7	20.0	23.4
1932	19.6	20.0	20.0	20.0	20.0	21.6	21.6	21.3	18.9	18.8	18.0	18.0	19.8
1933	18.0	18.0	18.0	18.0	20.0	21.1	21.6	22.3	22.4	22.4	22.5	22.9	20.6
1934	23.5	23.9	24.3	24.3	24.3	24.3	24.3	22.4	21.6	21.6	21.6	21.6	23.1
1935	22.3	22.8	22.9	22.9	22.9	22.9	22.9	22.9	23.2	23.7	23.7	23.7	23.1
1936	23.5	23.3	22.8	22.7	22.7	22.7	22.7	25.7	29.2				

Compiled from the Oil, Paint, and Drug Reporter. Average of monthly range, 1912-26; beginning 1927, average of quotations for Saturdays during the month. Quoted in gallons and converted to pound price on basis of 7.5 pounds to gallon.

TABLE 122.—Olive oil, prime foots: Average price per pound, in casks, New York, by months, 1913-36

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Average ¹
	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>
1913	8.0	8.0	8.0	8.0	7.7	7.6	7.6	7.6	7.9	7.9	7.9	7.9	7.8
1914	7.8	7.9	7.9	7.8	7.5	7.4	7.4	9.8	10.9	10.2	9.8	9.8	8.7
1915	9.0	8.0	8.7	8.9	8.9	8.7	8.2	8.1	8.1	8.2	8.8	9.7	8.6
1916	9.8	11.0	12.5	13.6	11.8	10.6	9.8	9.4	9.5	10.0	10.1	10.1	10.7
1917	10.9	12.4	13.4	14.7	17.7	19.4	19.5	20.1	23.6	27.9	29.0	37.1	20.5
1918	39.0	39.0	39.0	42.5	45.0	45.0	44.2	43.5	43.5	43.5	43.5	43.5	42.6
1919					25.0	24.7	21.4	20.6	19.8	19.5	18.2	18.6	21.0
1920	22.2	21.3	20.9	19.4	19.0	18.4	17.2	15.9	10.2	12.6	10.9	11.2	16.6
1921	10.3	9.6	10.4	8.7	8.2	8.0	7.2	6.6	7.6	8.1	8.4	8.6	8.5
1922	8.4	8.3	8.9	9.0	9.0	8.6	8.5	8.6	9.0	9.4	9.5	9.2	8.9
1923	9.4	9.4	9.3	9.7	9.7	8.6	8.2	8.6	8.6	8.6	8.6	8.8	9.0
1924	9.5	10.2	10.1	9.8	9.0	9.2	9.3	9.6	9.6	9.6	9.8	9.7	9.7
1925	9.6	9.4	9.4	9.4	9.4	9.2	8.4	8.4	8.8	8.9	8.8	8.8	9.0
1926	8.9	8.8	8.8	8.8	8.6	8.6	8.6	8.2	8.8	9.1	9.2	9.3	8.8
1927	9.6	10.1	9.5	9.0	9.6	9.3	8.9	9.2	10.0	10.6	10.0	9.8	9.7
1928	9.6	9.8	10.0	10.2	10.4	10.0	9.9	10.1	10.6	10.5	10.3	10.8	10.2
1929	11.1	11.2	10.7	10.3	10.1	9.8	9.6	9.1	9.1	9.0	8.3	8.2	9.7
1930	8.0	7.5	7.5	7.5	6.9	6.3	6.1	6.9	6.9	6.7	6.6	6.6	7.0
1931	6.5	6.2	6.2	6.0	5.9	5.7	5.5	4.9	4.9	4.8	4.8	4.6	5.5
1932	4.6	5.1	5.0	4.8	4.6	4.6	4.5	4.4	4.6	4.6	4.4	4.4	4.6
1933	4.5	4.6	4.7	4.6	5.0	5.5	6.2	6.2	6.1	6.2	6.3	6.4	5.5
1934	6.5	6.6	6.7	6.9	7.2	7.2	7.2	7.3	7.3	7.3	7.3	7.2	7.1
1935	7.4	8.2	8.6	8.6	8.4	8.3	8.1	8.2	8.4	9.8	9.4	9.0	8.6
1936	8.7	8.4	8.2	8.1	8.1	8.2	8.2	9.0	9.3				

¹ Based on months shown.

Compiled from the Oil, Paint, and Drug Reporter. Average of monthly range, 1913-26; beginning 1927, average of quotations for Saturdays during the month.

TABLE 123.—Palm-kernel oil: Average price per pound, in barrels, New York, by months, 1917-36

NATURAL

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Average ¹
	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>
1917	14.5	14.6	14.8	16.5	17.8	17.2	16.8	15.8	16.2	17.0	17.2	17.8	16.4
1918	17.8	17.8	17.8	17.2	17.8	17.8	18.5	18.4	18.8	19.1	19.1	17.5	18.1
1919	17.0	15.8	14.5	14.8	16.2	16.8	21.0		21.0	20.5	21.5	21.2	18.2
1920	22.0	19.0	19.1	19.5	20.0		17.0	14.8		16.2	14.2	13.2	17.5
1921	11.0	10.1	9.5	9.2	9.6	9.5	8.8	9.0	9.5	9.2	9.2	9.0	9.5
1922	8.6	8.5	8.8	8.8	8.8	8.8	8.9	8.8	8.6	8.2	7.8	8.2	8.6
1923	8.6	8.8	8.9	9.6	9.2	8.4	8.2	8.2	8.5	8.7	8.8	9.0	8.7
1924	9.2	9.2	9.1	8.9	8.8	8.8	8.9	9.5	9.4	9.6	10.2	10.2	9.3
1925	10.4	10.1	9.9	10.0	10.0	10.1	10.2	10.5	10.6	10.6	10.5	10.6	10.3
1926	10.4	10.1	9.8	9.7	9.8	10.4	10.4	10.1	10.2	9.9	9.8	9.1	10.0
1927	9.0	9.1	9.2	9.1	8.9	8.9	8.9	9.1	9.1	9.1	9.1	9.1	9.0
1928	9.1	9.1	9.1	9.1	9.2	9.1	9.1	9.1	9.1	9.1	9.1	9.1	9.1
1929	9.1	9.0	8.9	8.5	8.4	7.6	8.1	8.6	8.4	8.2	8.2	7.0	8.4
1930	7.8	7.7	7.7	7.7	7.6	7.1	6.4	6.4	6.1				

DENATURED

1930										6.1	6.1	6.3	
1931	6.2	6.1	6.1	6.2	5.8	5.0	5.0	5.1	5.2	5.4	5.4	5.5	5.6
1932 ²	5.5	5.5	5.4	4.9	4.6	4.6	4.6	4.6	4.6	4.5	4.5	4.5	4.8
1933	4.2	4.2	4.4	4.5	4.8	4.7	4.2	4.0	4.0	3.9	4.1	4.2	4.3
1934	4.2	4.2	4.2	3.9	3.5	3.4	3.2	3.2	3.2	2.8	2.8	3.0	3.7
1935	4.2	4.6	4.5	4.7	4.7	4.4	4.1	3.9	3.9	4.8	4.6	4.6	4.5
1936 ³	4.6	4.8	4.7	4.9	4.9	4.9	4.2	4.8	5.0	5.4			

¹ Based on months shown.² Nominal October 1932 to September 1934.³ Reported as bulk shipments, beginning October 1934.⁴ Average January-September.⁵ Nominal.⁶ Reported in tanks.

Compiled from the Oil, Paint, and Drug Reporter. Average of monthly range, 1917-29; beginning 1930, average of quotations for Saturdays during the month. Prices do not include the 1934 excise tax of 3 cents.

TABLE 124.—*Palm oil, crude: Average price per pound, in casks, New York, by months, 1913-36*

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Average ¹
	Cents	Cents	Cents	Cents	Cents	Cents	Cents	Cents	Cents	Cents	Cents	Cents	Cents
1913.....	7.1	7.4	7.5	7.4	7.1	7.1	7.2	7.6	7.8	7.7	7.6	7.6	7.4
1914.....	7.6	7.8	7.7	7.6	7.4	7.2	7.0	9.5	11.0	8.8	8.2	7.5	8.1
1915.....	7.6	10.5	12.0	11.0	9.2	7.4	6.9	7.0	6.6	7.0	8.0	8.8	8.5
1916.....	9.8	11.2	15.0	18.5	14.5	11.5	10.8	9.8	8.8	10.8	12.6	12.9	12.2
1917.....	13.0	13.5	14.0	13.9	15.9	17.8	17.6	17.5	19.6	20.2	23.0	28.5	17.9
1918.....	31.0	31.5	34.0	33.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	27.5	33.5
1919.....	22.0	22.0			15.2	17.0	17.5	17.4	17.4	17.4	17.0	17.4	18.0
1920.....	17.6	16.5	15.9	15.9	13.6	11.2	11.6	10.2	10.2	10.2	9.6	8.2	12.6
1921.....	7.6	7.1	6.8	6.5	6.9	6.5	6.5	7.0	7.2	7.2	6.8	7.3	7.0
1922.....	7.8	7.9	8.2	7.9	7.2	7.0	7.1	7.0	6.9	6.9	7.2	7.3	7.4
1923.....	7.9	8.0	8.3	8.6	7.9	7.1	6.9	6.9	7.3	7.4	7.7	7.7	7.6
1924.....	8.0	7.9	7.9	7.5	7.5	7.1	7.6	8.3	8.2	8.8	9.7	9.8	8.2
1925.....	9.9	9.5	9.5	9.2	9.0	9.0	9.2	9.2	9.2	9.2	9.2	9.2	9.3
1926.....	9.0	8.8	8.7	8.6	8.8	8.9	8.4	8.2	8.7	8.6	8.2	8.2	8.6
1927.....	8.4	8.6	8.5	8.4	8.2	7.9	7.5	7.6	8.0	7.8	7.8	7.6	8.0
1928.....	7.8	7.8	7.8	7.9	7.6	7.9	8.0	7.9	8.2	8.9	8.8	8.8	8.1
1929.....	9.2	9.2	9.4	8.8	8.1	7.6	7.8	7.9	7.8	7.7	7.4	7.4	8.2
1930.....	7.6	7.4	7.3	7.2	6.8	6.0	6.0	6.4	5.7	5.8	5.8	5.8	6.5
1931.....	5.2	5.1	5.1	5.1	4.8	4.7	4.9	4.9	4.6	4.1	4.3	4.4	4.8
1932.....	4.2	3.9	3.9	3.8	3.8	3.6	3.4	3.5	3.9	3.9	3.8	3.5	3.8
1933.....	3.1	2.9	3.2	3.2	3.7	4.3	4.5	4.6	4.5	4.0	4.1	4.0	3.8
1934.....	3.9	3.7	3.8	3.9	3.4	3.2	3.1	3.2	3.4	3.4	3.3	3.4	3.3
1935.....	4.2	4.8	5.7	5.0	4.6	4.7	4.4	4.4	4.5	4.9	4.9	4.4	4.7
1936.....	4.6	4.9	4.7	4.6	4.4	4.2	4.4	4.7	5.0				

¹ Based on months shown.

Compiled from the Oil, Paint, and Drug Reporter. Average of monthly range, 1913-29; beginning 1930, average of quotations for Saturdays during the month. Quoted as Lagos through April 1934; beginning May 1934 as Niger. Prices do not include 1934 excise tax.

TABLE 125.—*Peanut oil, domestic refined: Average price per pound, in barrels, New York, by months, 1917-36*

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Average ¹	
													Year beginning January	Year beginning October
1917.....				17.1	17.1	17.1	17.4	18.4	19.0	19.0	20.0	22.3	18.6	21.5
1918.....	21.8	21.8	21.8	21.8	21.8	21.8	21.8	21.8	21.8	22.0	22.0	21.0	21.8	23.8
1919.....	20.8	20.5	20.0	22.5	24.4	26.5	29.0	30.0	27.0	25.5	26.5	27.0	25.0	23.5
1920.....	27.8	27.2	27.0	24.5	23.2	20.5	19.2	17.0	16.5	16.5	14.8	12.5	20.6	11.8
1921.....	12.5	12.5	11.0	10.5	10.5	10.2	10.0	10.2	10.8	10.8	11.2	11.0	10.9	12.0
1922.....	11.1	11.2	12.0	13.0	13.0	13.0	12.5	12.5	12.2	12.0	12.5	14.5	12.5	15.7
1923.....	17.0	17.0	17.8	17.5	16.2	16.0	16.0	16.0	16.0	16.0	15.5	14.8	16.3	15.0
1924.....	14.5	14.5	14.5	14.5	14.5	14.5	14.5	15.5	16.2	16.0	16.0	16.0	15.1	16.8
1925.....	16.5	16.5	16.5	16.5	15.2	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.5	15.6
1926.....	15.0	15.5	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	15.5	14.8	15.7	14.7
1927.....	14.5	14.5	14.5	14.5	14.5	14.5	14.5	14.5	14.5	14.5	14.3	13.5	14.4	13.6
1928.....	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	12.2	11.0	13.2	13.0
1929.....	13.5	13.5	13.5	13.4	13.2	13.2	13.2	13.2	13.2	13.2	13.2	13.2	13.3	12.4
1930.....	12.8	12.8	12.8	12.4	11.8	11.8	11.8	11.8	11.4	13.5	13.5	13.5	12.5	13.0
1931.....	13.5	13.5	13.5	13.1	12.5	12.5	12.5	12.5	12.5	10.3	10.4	10.4	12.3	10.2
1932.....	10.4	10.4	10.4	10.4	9.6	9.6	9.6	10.3	10.5	10.4	9.5	9.5	10.0	9.7
1933.....	9.5	9.5	9.5	9.6	9.8	9.8	9.8	9.8	9.5	9.5	9.5	9.2	9.6	9.3
1934.....	9.0	0.1	0.2	9.2	9.2	9.2	9.2	9.2	9.8	10.1	11.0	12.2	9.7	12.7
1935.....	12.7	13.7	13.8	² 13.0	² 13.0	² 13.0	² 13.2	² 13.5	² 13.5	² 13.5	² 13.5	² 13.5	13.3	12.8
1936.....	13.2	12.6	12.4	12.4	12.2	12.2	12.5	12.5						

¹ Based on months shown.

² Nominal.

Compiled from the Oil, Paint, and Drug Reporter. Average of monthly range, 1917-26; beginning 1927, average of quotations for Saturdays during the month.

TABLE 128.—*Perilla oil: Average price per pound, New York, by months, 1918-36*

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Average ¹
	Cents	Cents	Cents	Cents	Cents	Cents	Cents	Cents	Cents	Cents	Cents	Cents	Cents
1918						19.2	19.0				19.0	19.0	
1919	18.2	17.9	18.0	16.8	16.5	19.0	22.5	25.0	23.8	22.5	21.5	18.2	20.0
1920	22.5	21.9	21.8	20.8	18.5	17.0	14.2	12.2	12.1	11.6	10.5	8.5	16.0
1921	8.4	7.4	6.5	6.2	6.6	7.0	7.0	9.2	7.5	8.5	8.5		7.5
1922	11.2	11.2	11.2		13.0	13.5	13.5	13.5	13.5		12.5	13.2	12.6
1923	14.0	15.2	15.8	16.4	16.2	15.5	14.8	14.5	14.4	14.0	13.8	14.2	14.9
1924	14.0	14.2	14.6	14.5	14.2	13.8	13.8	14.2	14.2	14.2	14.5	14.5	14.2
1925	14.5	14.8	15.0	14.9	14.8	14.8	14.8	14.8	15.2	15.6	15.4	15.2	15.0
1926	15.2	15.2	14.6	13.7	13.5	13.0	13.0	13.0	12.9	12.5	13.2	13.1	13.6
1927	13.0	12.8	13.5	14.1	16.5	16.5	16.5	15.8	15.0	14.8	14.4	14.2	14.8
1928	12.9	13.0	13.2	13.0	13.5	13.5	13.5	13.5	13.5	16.8	18.0	18.0	14.4
1929	17.0	14.9	14.0	13.5	13.5	13.5	13.5	14.5	16.0	16.8	17.0	15.5	15.0
1930	13.2	12.9	12.9	12.9	12.8	12.3	12.2	12.2	11.5	11.5	10.7	10.5	12.1
1931	10.0	10.0	9.2	8.0	7.8	7.5	7.9	7.9	7.9	7.4	6.9	6.8	8.1
1932	6.2	6.1	5.7	4.7	4.2	4.1	4.3	4.5	4.7	4.8	4.5	4.6	4.9
1933	5.3	5.1	5.0	5.3	6.9	8.1	10.2	10.0	9.9	9.5	9.2	9.1	7.8
1934	8.7	9.0	9.1	8.8	9.1	9.6	9.4	9.3	9.1	8.6	8.3	8.7	9.0
1935	8.7	8.5	8.4	7.9	8.0	8.2	7.7	7.3	8.3	9.7	8.6	7.5	8.2
1936	7.4	7.2	7.3	7.4	7.4	8.5	9.7	9.8	9.9				

¹ Based on months shown.

Compiled from the Oil, Paint, and Drug Reporter. Average of monthly range, 1918-29; beginning 1930, average of quotations for Saturdays during the month. Since Jan. 11, 1930, reported in drums; prior to that date, in barrels.

TABLE 129.—*Rape oil, refined: Average price per pound, in barrels, New York, by months, 1914-36*

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Average
	Cents	Cents	Cents	Cents	Cents	Cents	Cents	Cents	Cents	Cents	Cents	Cents	Cents
1914	8.1	7.9	7.9	7.9	7.9	7.9	7.9	9.6	10.7	9.8	9.5	9.5	8.7
1915	9.4	10.4	11.3	11.1	10.9	10.7	10.1	10.1	10.2	10.6	11.3	12.3	10.7
1916	13.4	13.8	13.8	14.0	13.2	12.8	12.7	12.3	12.1	12.5	12.9	14.7	13.2
1917	14.8	14.8	14.8	16.7	17.7	19.3	19.3	18.9	20.3	21.7	22.3	22.0	18.6
1918	23.0	22.3	23.0	23.0	23.7	23.7	24.3	23.7	23.3	25.1	22.7	22.5	23.4
1919	22.3	20.7	19.7	19.7	20.3	20.8	21.0	21.7	20.3	20.7	19.7	20.3	20.6
1920	20.8	21.5	22.7	21.9	22.3	22.0	21.3	18.0	17.7	18.3	16.7	15.0	19.8
1921	14.5	14.0	14.0	12.7	11.7	11.3	11.8	12.0	12.0	11.5	11.3	11.1	12.3
1922	11.1	11.2	11.3	11.1	11.1	11.2	11.2	11.1	10.8	10.5	10.4	10.7	11.0
1923	11.2	11.3	11.3	11.3	11.3	11.0	10.5	10.1	10.1	10.1	9.9	9.9	10.7
1924	11.0	11.8	12.1	12.0	11.3	10.5	10.5	11.1	11.5	12.3	12.9	13.1	11.7
1925	13.2	12.9	12.6	12.3	13.1	13.2	13.1	13.4	13.6	13.3	12.7	12.3	13.0
1926	12.3	11.9	11.3	11.2	11.3	11.6	11.7	11.5	11.3	11.1	10.6	10.4	11.4
1927	10.4	10.1	10.9	10.9	10.8	10.7	10.4	10.7	11.2	11.2	10.9	10.7	10.7
1928	10.7	11.5	11.3	11.6	12.0	11.9	11.8	11.9	11.3	11.0	10.9	11.0	11.4
1929	11.0	11.2	11.4	11.4	11.1	11.1	10.7	10.7	10.5	10.4	10.1	9.7	10.8
1930	9.7	9.5	9.1	9.1	9.2	9.1	8.5	8.0	7.7	7.5	7.3	7.3	8.5
1931	7.3	7.3	7.5	7.2	6.0	5.9	6.1	6.0	5.9	5.7	5.9	5.6	6.4
1932	5.3	5.3	5.3	5.1	4.7	4.1	4.0	4.3	4.8	4.8	4.4	4.3	4.7
1933	4.7	4.8	4.9	4.9	6.1	6.5	7.2	9.2	8.1	6.1	5.7	5.7	6.2
1934	5.6	5.7	5.9	5.4	5.2	5.1	5.0	5.2	5.2	5.6	5.4	5.4	5.4
1935	5.8	6.5	6.7	6.0	5.9	6.0	5.6	5.8	6.2	7.0	7.1	7.5	6.3
1936	7.4	7.2	7.0	7.2	7.0	7.3	8.5	8.6	8.9				

Compiled from the Oil, Paint, and Drug Reporter. Average of monthly range, 1914-29; beginning 1930, average of quotations for Saturdays during the month. Quoted in gallons and converted to pound price on basis of 7.5 pounds to gallon.

TABLE 130.—Rape oil, blown: Average price per pound, in barrels, New York, by months, 1917-36

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Average
	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>
1917	15.5	15.5	15.5	18.0	19.3	20.3	20.3	20.3	21.0	22.3	23.0	23.7	19.6
1918	23.1	23.5	23.7	24.0	25.7	25.3	25.2	25.2	25.7	26.0	25.0	22.3	24.6
1919	22.7	22.3	21.3	21.0	21.0	21.7	22.7	22.7	21.3	22.2	22.0	21.3	21.8
1920	22.3	22.4	23.3	22.8	23.4	23.4	22.3	18.7	19.0	20.3	18.7	17.3	21.2
1921	16.6	15.2	15.2	13.3	12.4	12.0	13.0	13.7	12.3	12.7	12.7	12.7	13.5
1922	12.5	12.2	12.3	12.3	11.5	12.3	12.5	12.7	12.0	12.0	12.3	12.3	12.2
1923	12.5	12.7	13.0	13.3	13.3	13.3	13.3	13.3	13.3	12.7	12.0	12.0	12.9
1924	12.7	13.7	14.0	14.0	13.7	12.9	12.8	13.1	13.3	14.0	14.0	14.3	13.5
1925	14.7	14.3	14.0	14.0	14.0	14.0	14.0	14.2	14.9	15.5	15.0	14.7	14.4
1926	14.7	14.3	13.7	13.3	13.3	14.0	14.0	14.0	14.0	13.7	13.0	12.7	13.7
1927	12.7	12.3	12.0	12.0	12.8	13.6	13.6	13.6	13.6	13.7	13.7	13.7	13.1
1928	13.5	13.5	13.5	13.5	13.7	13.7	13.7	13.9	13.9	13.8	13.7	13.7	13.7
1929	13.7	13.9	14.0	13.9	13.9	13.9	13.4	12.9	13.1	13.3	13.3	13.3	13.6
1930	13.1	12.1	12.3	12.3	12.3	11.6	10.3	10.3	10.1	9.9	10.1	10.4	11.2
1931	10.1	9.6	9.6	9.6	9.5	9.5	9.5	9.5	9.5	9.2	9.2	9.2	9.5
1932	8.9	8.4	8.1	7.7	7.5	7.5	7.2	7.1	7.1	7.2	7.5	7.5	7.6
1933	7.5	7.6	7.6	7.6	8.3	8.4	8.6	8.8	8.8	8.8	8.5	8.1	8.2
1934	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1
1935	8.1	8.2	8.9	8.1	8.6	8.6	8.1	7.8	7.7	8.1	8.4	8.0	8.3
1936	8.7	8.7	8.7	8.7	8.7	9.0	11.5	11.6	11.6				

Compiled from the Oil, Paint, and Drug Reporter. Average of monthly range, 1917-29; beginning 1930, average of quotations for Saturdays during the month. Blown oil is oil that has been thickened by having air passed through the heated oil. Rape oil is blown to obtain the desired viscosity for lubricating purposes. Oils for this treatment should be low in free fatty acids.

TABLE 131.—Sesame oil, crude: Average price per pound, in tank cars, f. o. b. Pacific coast, by months, 1930-36

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Average ¹
	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>
1930									6.7	6.0	6.0	5.9	6.2
1931	5.8	5.9		6.5	6.2	5.7		5.2	4.6	4.4	5.0	5.0	5.4
1932		5.0		5.0	5.0	4.9	4.9	5.3	5.5	5.2	5.2	5.1	5.1
1933	4.9	4.8	5.1	5.2	5.9	6.3	6.6	6.0	6.0	5.6	5.7	5.8	5.6
1934	5.8	5.5	5.4	5.4	5.4							5.9	5.6
1935	6.3	6.8	6.7	6.4	6.5	6.3	5.8	5.6	5.9	6.7	6.3	6.4	6.3
1936	6.2	6.3	6.2	6.1	6.2	6.1	7.1	9.4	9.2				

¹ Based on months shown.

² Nominal.

Compiled from the Oil, Paint, and Drug Reporter. Average of quotations for Saturdays during the month. No container given prior to April 1931; beginning that date quoted in tank cars.

TABLE 132.—*Sesame oil, refined: Average price per pound, New York, by months, 1917-36*

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Average ¹
	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>
1917.....	17.3	17.3	17.3	17.3	21.7	-----	-----	-----	43.3	43.3	43.3	44.3	29.5
1918.....	44.3	44.3	44.3	36.7	-----	-----	-----	-----	40.0	45.0	50.0	39.7	43.0
1919.....	38.2	33.3	23.8	20.5	33.3	32.3	31.7	32.0	-----	-----	-----	-----	30.6
1920.....	-----	-----	27.9	29.9	-----	-----	-----	-----	-----	30.0	28.5	27.0	-----
1921.....	26.0	22.0	22.0	22.0	20.0	20.0	20.0	20.0	18.0	-----	17.5	17.0	20.2
1922.....	15.3	15.3	15.3	15.0	14.7	14.7	14.7	14.7	-----	-----	16.7	16.7	15.3
1923.....	16.7	16.7	16.7	12.5	12.5	12.2	12.0	11.8	11.5	11.6	12.8	13.2	13.3
1924.....	13.5	13.2	11.7	11.5	11.2	10.8	10.9	12.4	12.9	12.8	13.2	14.5	12.4
1925.....	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	14.2	13.0	13.0	13.0	14.8
1926.....	13.2	13.5	13.5	13.2	13.0	14.5	14.5	14.5	14.5	14.0	13.2	13.0	13.7
1927.....	13.0	13.0	13.0	13.0	13.5	13.5	13.0	13.0	13.0	13.0	13.0	13.0	13.1
1928.....	13.5	14.0	14.0	14.1	14.2	14.2	14.2	14.2	14.2	13.4	12.5	12.5	13.8
1929.....	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5
1930.....	12.2	12.0	12.0	12.0	12.0	12.0	12.0	11.2	10.2	10.4	10.8	10.8	11.5
1931.....	11.0	11.0	11.0	11.1	11.1	11.1	11.1	10.2	8.8	8.8	9.2	9.8	10.4
1932.....	9.6	9.2	9.2	9.2	9.2	9.1	8.8	8.8	9.8	9.8	9.8	9.8	9.4
1933.....	9.8	9.8	9.8	9.8	9.8	9.8	10.2	10.2	10.2	10.2	10.0	9.2	9.9
1934.....	9.2	8.5	8.2	8.2	8.5	8.8	9.4	9.1	8.7	8.2	8.6	9.6	8.8
1935.....	10.1	10.3	10.5	10.3	10.2	10.2	10.0	9.8	9.8	10.8	11.8	12.2	10.5
1936.....	11.8	10.6	10.4	10.2	10.0	10.0	10.0	10.5	11.1	-----	-----	-----	-----

¹ Based on months shown.

Compiled from the Oil, Paint, and Drug Reporter. Average of monthly range, quoted in barrels, 1917-30; beginning 1931, average of quotations for Saturdays during the month, quoted in drums. Beginning July 28, 1934, price is quoted including 3-cent processing tax which has been deducted in this table. It should be noted that if this oil was domestically refined the tax was applicable on the weight of the crude oil, herefore deducting 3 cents from the quoted price involves some error.

TABLE 133.—*Soybean oil, domestic, crude: Average price per pound, in tank cars, midwestern mills, by months, 1929-36*

Year beginning October—	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Average	
													Year beginning October—	Year beginning January—
	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>
1929.....	10.7	9.7	8.8	8.4	8.4	8.4	9.0	8.9	8.9	9.3	9.3	9.3	9.1	-----
1930.....	8.8	7.4	6.7	6.4	6.0	5.7	5.8	6.2	5.7	6.1	6.0	5.3	6.3	8.6
1931.....	5.1	4.4	3.8	3.3	3.2	3.1	3.0	3.0	3.0	3.1	3.1	3.2	3.4	5.5
1932.....	3.4	2.9	3.0	3.0	3.2	3.5	3.4	4.5	6.1	7.4	8.0	6.8	4.6	3.1
1933.....	6.0	6.2	6.2	5.6	5.6	5.9	6.0	6.0	5.5	5.8	5.7	5.8	5.9	5.4
1934.....	6.1	6.3	7.3	7.8	8.1	9.1	8.4	8.8	8.6	7.8	7.1	7.7	7.8	6.0
1935.....	8.1	8.1	8.1	7.6	7.2	6.8	6.8	6.8	6.0	7.9	8.0	8.2	7.4	8.1
1936.....	8.0	8.0	9.1	-----	-----	-----	-----	6.3	6.0	-----	8.0	-----	7.4	7.5

¹ Nominal.

Compiled from the Oil, Paint, and Drug Reporter. Average of quotations for Fridays during the month.

TABLE 134.—Soybean oil, domestic, crude: Average price per pound, in drums, New York, by months, 1929-36

Year beginning October—	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Average	
													Year beginning October—	Year beginning January—
1929.....	Cents 13.0	Cents 13.0	Cents 12.5	Cents 11.8	Cents 11.5	Cents 10.7	Cents 10.4	Cents 10.6	Cents 10.8	Cents 10.7	Cents 10.4	Cents 10.2	Cents 11.3	-----
1930.....	9.3	8.5	8.3	7.4	7.5	7.5	7.4	7.3	7.3	7.3	7.2	6.6	7.6	10.3
1931.....	5.6	5.0	5.2	4.8	4.4	4.4	4.4	4.4	4.2	4.1	4.1	4.1	4.6	6.8
1932.....	4.4	4.2	4.2	4.4	4.5	4.7	4.9	6.3	7.0	8.2	9.0	8.2	5.8	4.3
1933.....	7.6	7.3	7.0	6.8	7.0	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.2	6.6
1934.....	7.3	7.6	8.7	9.3	9.8	10.8	10.3	10.3	10.3	9.4	8.0	9.4	9.3	7.4
1935.....	9.8	9.8	9.8	9.6	8.9	8.8	8.4	8.0	7.8	9.3	9.6	9.6	9.1	9.8
1936.....	9.4	9.6	10.7	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	9.1

Compiled from the Oil, Paint, and Drug Reporter. Average of quotations for Saturdays during the month. Domestic oil not quoted prior to October 1929, as production in this country had not reached commercial proportions.

TABLE 135.—Soybean oil, domestic, refined: Average price per pound, New York, by months, 1929-36

Year beginning October—	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Average ¹	
													Year beginning October—	Year beginning January—
1929.....	Cents	Cents	Cents	Cents	Cents	Cents	Cents	Cents	Cents	Cents	Cents	Cents	Cents	Cents
1930.....	10.00	9.23	9.05	8.13	8.25	8.25	8.20	8.05	8.05	8.05	7.95	7.30	8.38	11.62
1931.....	6.50	6.50	6.09	5.63	5.15	5.15	5.15	5.02	4.55	4.52	4.52	4.52	5.28	7.61
1932.....	4.80	4.65	4.60	4.75	4.90	5.12	5.22	7.05	7.80	9.60	9.95	9.16	6.48	4.86
1933.....	8.50	8.20	7.88	7.65	7.90	8.15	8.15	8.15	8.15	8.15	8.15	8.15	8.10	7.35
1934.....	8.15	8.40	9.55	10.15	10.66	11.55	11.05	11.05	11.01	10.18	9.66	10.20	10.13	8.22
1935.....	10.55	10.55	10.55	10.30	9.65	9.55	9.18	8.75	8.60	9.98	10.25	10.25	9.85	10.60
1936.....	10.07	10.25	11.34	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	9.85

¹ Based on months shown.

Compiled from the Oil, Paint, and Drug Reporter. Average of quotations for Saturdays during the month. Beginning Sept. 23, 1933, reported in drums, formerly in barrels.

TABLE 138.—Soybeans: Average price per bushel received by producers, United States, by months, 1913-14 to 1936-37

Year	Oct. 15	Nov. 15	Dec. 15	Jan. 15	Feb. 15	Mar. 15	Apr. 15	May 15	June 15	July 15	Aug. 15	Sept. 15	Weighted average
	Dol.	Dol.	Dol.	Dol.	Dol.	Dol.	Dol.	Dol.	Dol.	Dol.	Dol.	Dol.	Dol.
1913-14	1.96	1.57	1.72	1.98	1.80								1.79
1914-15	2.08	2.15	2.24	2.35	2.26								2.21
1915-16	1.88	2.08	2.23	2.31	2.30								2.16
1916-17	2.13	2.13	2.18	2.20	2.45								2.19
1917-18	2.73	2.86	3.33	3.47	3.82								3.17
1918-19	3.36	3.20	3.29	3.00	3.00								3.19
1919-20	3.34	3.35	3.44	3.76	4.05								3.53
1920-21	3.41	3.00	2.28	2.18	2.17								2.67
1921-22	2.20	2.22	2.08	2.11	2.10								2.16
1922-23	1.89	2.00	1.97	2.07	2.13							2.25	2.01
1923-24	2.09	2.11	2.11	2.23	2.26	2.41	2.40	2.44	2.49	2.60	2.51	2.33	2.28
1924-25	2.23	2.16	2.36	2.59	2.64	2.76	2.77	2.81	2.70	2.71	2.40	2.38	2.49
1925-26	2.27	2.18	2.17	2.38	2.33	2.39	2.27	2.37	2.67	2.71	2.31	2.27	2.35
1926-27	1.97	1.85	1.83	1.90	2.03	1.98	2.07	2.15	2.20	2.14	2.06	1.91	2.00
1927-28	1.86	1.70	1.61	1.70	1.69	1.85	1.93	2.06	2.13	2.12	2.01	1.80	1.84
1928-29	1.72	1.60	1.70	1.82	1.93	2.13	2.19	2.30	2.41	2.46	2.15	1.87	1.92
1929-30	1.79	1.70	1.73	1.85	1.91	2.00	2.07	2.11	2.10	1.98	1.90	1.80	1.86
1930-31	1.64	1.48	1.44	1.49	1.40	1.42	1.38	1.39	1.29	1.12	.94	.82	1.42
1931-32	.68	.52	.61	.62	.59	.65	.65	.64	.61	.58	.58	.57	.61
1932-33	.65	.45	.44	.45	.45	.48	.58	.86	.98	1.04	.94	.85	.84
1933-34	.68	.69	.73	.81	1.01	1.16	1.26	1.25	1.45	1.54	1.25	1.05	1.11
1934-35	.96	.89	1.11	1.19	1.26	1.18	1.21	1.19	1.19	.98	.73	.89	1.02
1935-36	.68	.69	.72	.76	.77	.78	.78	.83	.85	1.05	1.19	1.10	.79
1936-37	1.07	1.12	1.30										

TABLE 139.—Sunflower oil, refined: Average price per pound, in drums, New York, by months, 1933-36

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Average ¹
	Cents	Cents	Cents	Cents	Cents	Cents	Cents	Cents	Cents	Cents	Cents	Cents	Cents
1933													
1934			5.2	5.0	5.1	5.1					8.8	9.3	6.4
1935	9.7	10.8	11.4	10.8	10.8	10.6	10.1	10.5	11.8	11.9	11.2	10.8	10.8
1936	10.8	10.3	10.0	9.9	9.8	9.8	9.9	10.6	11.1	11.2	11.1		

¹ Based on months shown.
² Average for 1 day.
³ Nominal.

Compiled from the Oil, Paint, and Drug Reporter. Average of quotations for Saturdays during the month.

TABLE 140.—Tung oil: Average price per pound, in barrels, New York, by months, 1912-36

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Average
	Cents	Cents	Cents	Cents	Cents	Cents	Cents	Cents	Cents	Cents	Cents	Cents	Cents
1912	12.5	12.5	11.5	11.6	10.8	9.8	9.4	8.8	8.8	9.0	8.5	7.9	10.1
1913	7.6	7.5	7.5	7.2	7.2	7.2	7.4	7.2	7.2	7.2	7.3	7.1	7.3
1914	6.9	6.9	6.8	6.6	6.6	6.4	6.4	6.5	9.2	8.0	6.9	6.9	7.3
1915	6.4	6.4	6.6	6.5	6.6	7.2	7.0	7.0	7.1	7.1	7.6	8.9	7.0
1916	10.0	12.4	13.5	14.5	14.1	13.0	12.0	11.0	11.2	11.9	11.9	12.2	12.3
1917	12.5	14.1	14.0	14.8	15.2	16.4	17.8	18.5	20.8	22.0	22.5	20.8	17.4
1918	20.0	20.2	22.5	25.0	26.5	27.0	29.5	30.5	29.0	29.0	27.0	26.0	26.0
1919	25.5	23.0	20.2	19.2	19.8	22.5	23.5	23.5	23.5	23.5	23.5	23.2	22.6
1920	22.8	24.8	24.2	24.5	23.0	19.0	18.8	17.5	17.8	17.0	14.2	15.2	19.7
1921	10.5	10.0	9.8	9.2	12.4	13.1	14.8	16.0	14.8	14.0	15.0	13.8	12.8
1922	13.2	14.4	14.0	13.8	13.8	13.8	12.4	12.6	12.4	12.6	12.8	13.1	13.2
1923	15.2	18.2	22.5	37.5	33.0	25.8	24.0	22.8	22.0	21.6	21.1	21.2	23.7
1924	20.8	19.1	17.0	15.4	14.6	13.1	13.5	14.5	15.2	16.0	15.8	15.6	15.9
1925	16.1	14.0	13.2	13.0	12.9	13.2	13.6	13.2	13.6	13.4	13.2	13.1	13.5
1926	13.0	12.8	12.1	11.2	11.8	13.5	15.1	17.0	18.1	16.6	15.8	14.1	14.3
1927	14.6	18.0	26.0	31.0	23.5	19.5	18.5	17.6	17.0	15.4	15.4	15.1	19.3
1928	17.0	17.1	14.0	15.6	14.9	14.9	16.0	14.8	16.0	15.2	14.2	14.8	14.6
1929	14.7	14.6	14.1	14.8	14.9	14.6	14.4	14.6	14.6	15.1	14.9	14.5	14.6
1930	12.5	11.5	11.4	10.9	10.2	9.4	9.0	9.2	8.7	8.1	7.2	7.3	9.6
1931	7.8	7.3	7.1	7.1	7.1	7.0	7.6	7.4	7.5	7.4	8.4	7.3	7.4
1932	7.0	7.9	7.2	6.0	5.8	6.0	5.7	6.2	6.1	6.0	6.0	5.5	6.3
1933	5.3	5.1	5.4	5.3	6.1	7.1	8.7	8.1	7.8	7.0	8.0	7.5	6.8
1934	7.8	8.0	8.1	8.6	8.8	9.1	9.3	9.6	10.0	9.1	8.9	9.2	8.9
1935	9.7	10.0	14.2	14.2	17.5	17.4	15.1	16.3	16.3	29.9	18.2	15.2	17.0
1936	14.1	15.0	16.9	19.2	18.7	18.7	18.9	10.5	14.4				

¹ Nominal.

Compiled from the Oil, Paint, and Drug Reporter. Average of monthly range, 1912-29; beginning 1930, average of quotations for Saturdays during the month.

ANIMAL FATS AND OILS

TABLE 141.—Butter: Average price per pound, New York, by months, 1830-1936

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Average
1830	13.6	14.0	14.0	14.0	13.8	13.8	13.8	13.8	13.8	13.8	14.2	14.2	13.9
1831	14.2	14.2	16.5	16.0	15.0	14.5	14.0	14.0	14.8	14.9	14.9	15.7	14.9
1832	16.5	16.5	16.3	14.5	14.5	14.5	14.9	15.0	15.0	15.1	14.4	15.6	15.2
1833	16.0	16.3	16.0	17.4	17.3	15.5	14.5	14.6	15.6	15.9	15.5	15.5	15.8
1834	15.0	14.9	14.0	14.0	13.9	13.5	13.5	14.2	14.2	14.2	15.5	15.5	14.4
1835	15.3	15.8	17.5	20.8	18.5	16.2	18.4	19.5	20.2	20.6	21.6	20.5	19.2
1836	27.0	26.5	27.0	28.3	23.7	19.1	19.0	19.2	20.6	25.1	25.9	25.5	23.9
1837	25.0	25.5	25.0	22.2	18.0	21.9	19.2	18.1	20.3	20.6	20.6	22.0	21.6
1838	22.0	22.0	23.4	28.2	25.9	20.1	19.6	23.0	24.0	24.3	24.0	24.4	23.4
1839	24.5	24.5	23.7	23.5	23.8	24.1	23.3	23.0	23.0	23.0	19.9	18.5	22.9
1840	19.1	17.9	17.4	18.7	18.1	15.7	15.0	17.4	15.8	16.4	17.4	19.3	17.4
1841	17.8	18.1	17.8	18.6	18.0	17.8	17.7	18.8	18.8	19.6	20.0	20.4	18.6
1842	19.6	18.0	18.3	19.6	18.4	16.3	15.0	15.1	16.2	14.4	13.2	14.0	16.5
1843	14.0	14.0	14.0	13.5	12.0	10.8	12.2	13.5	13.8	13.8	13.6	15.1	13.3
1844	15.7	15.9	16.8	17.5	15.6	13.2	13.5	13.8	13.8	14.2	15.9	17.0	15.2
1845	17.0	17.0	16.4	10.0	15.7	15.0	15.6	20.0	20.0	21.3	19.9	19.0	17.7
1846	19.0	18.1	16.4	15.6	16.2	16.0	15.6	15.5	15.5	16.5	17.4	18.5	16.7
1847	18.5	21.0	21.6	26.2	24.6	18.9	18.8	19.2	19.6	19.6	20.0	20.0	20.1
1848	20.4	20.8	21.7	23.9	20.7	18.6	17.4	18.5	19.7	20.0	20.0	20.0	20.7
1849	20.4	21.0	21.0	18.9	16.2	17.3	17.4	17.9	18.4	18.7	19.3	20.6	18.9
1850	20.5	20.5	21.2	20.8	20.6	19.1	17.8	18.9	18.0	18.3	19.2	20.5	19.6
1851	19.7	18.8	19.6	19.4	17.6	15.9	15.6	16.2	17.2	18.8	19.8	22.2	21.4
1852	22.6	23.9	26.6	29.2	21.7	18.7	19.7	19.9	22.1	23.9	26.1	28.6	28.6
1853	27.1	25.1	24.3	23.2	20.8	20.9	21.5	21.9	22.8	23.8	22.7	21.4	23.0
1854	20.8	23.0	21.6	24.3	24.3	20.9	21.0	22.7	24.1	23.0	24.4	26.2	23.0
1855	25.5	28.0	30.6	31.2	27.1	24.8	22.1	22.9	23.5	23.5	27.2	30.2	26.4
1856	28.9	29.0	27.7	25.1	22.3	22.4	21.6	25.7	25.0	26.5	27.4	27.5	25.8
1857	27.6	28.0	28.0	28.3	26.9	24.6	23.9	23.9	24.2	25.0	24.6	23.2	25.7
1858	22.1	23.4	25.6	26.6	24.9	21.8	21.5	22.1	23.4	24.3	23.6	20.3	23.8
1859	26.6	26.5	28.1	24.3	23.2	22.8	20.0	22.7	23.7	23.3	23.5	22.5	23.9
1860	23.6	23.0	22.8	21.1	21.2	21.0	21.0	21.2	22.0	22.0	22.0	22.0	21.9
1861	21.9	21.5	22.5	22.5	21.7	17.6	15.2	15.2	15.6	16.7	20.7	21.8	19.4
1862	21.7	21.5	21.3	20.4	19.9	18.0	17.3	17.8	19.2	21.9	24.7	27.3	20.9
1863	26.8	29.5	31.0	30.2	27.5	27.5	27.5	23.2	24.9	29.3	30.0	30.7	28.2
1864	32.7	34.2	41.6	40.6	34.0	36.5	38.5	45.4	55.7	47.8	55.3	62.2	43.7
1865	53.8	47.8	36.4	32.1	34.0	32.9	31.8	34.4	40.4	46.5	46.4	41.3	30.8
1866	39.4	43.9	65.5	56.0	44.1	36.5	39.0	42.1	40.0	40.3	38.0	38.0	42.7
1867	39.7	39.0	35.4	20.8	29.0	26.7	27.0	30.8	32.4	38.7	43.5	45.7	34.8
1868	47.8	50.1	56.8	54.0	41.7	32.5	33.9	41.0	43.7	43.4	45.8	46.0	44.7
1869	46.0	46.8	53.0	45.9	40.7	35.4	35.6	39.5	43.1	44.0	44.8	44.8	43.3
1870	43.4	42.2	41.0	35.6	34.2	30.1	32.1	35.9	39.4	41.2	41.0	41.0	38.1
1871	41.0	41.0	41.6	37.2	28.9	29.1	31.0	29.8	29.0	29.3	33.1	32.1	33.6
1872	33.6	34.5	36.6	35.5	31.2	28.8	29.6	27.2	29.8	31.1	33.6	35.5	32.0
1873	39.9	43.1	42.5	43.6	32.3	26.7	29.3	31.7	31.8	35.0	35.2	34.1	35.4
1874	38.7	39.0	42.5	34.6	31.9	29.1	28.9	33.1	36.3	37.0	40.0	43.1	36.2
1875	41.4	39.5	34.9	28.4	27.0	27.0	28.0	31.2	31.8	37.3	33.5	33.5	32.8
1876	33.7	34.7	35.5	37.3	27.8	25.2	24.4	26.8	30.6	32.9	32.5	33.8	31.3
1877	34.0	30.1	28.7	26.3	25.4	23.0	23.5	26.6	28.6	31.5	31.5	32.6	28.5
1878	34.0	36.5	35.9	31.7	22.1	19.6	19.8	23.1	24.1	26.5	27.3	27.5	27.2
1879	27.5	26.5	25.5	21.6	18.4	16.4	16.9	17.4	22.0	27.4	35.8	35.0	24.3
1880	36.0	37.5	37.5	30.0	23.5	21.0	24.5	26.5	30.0	31.0	33.5	35.2	31.5
1881	33.8	34.0	35.0	20.5	24.5	22.2	24.0	27.5	33.5	36.5	30.0	41.5	30.8
1882	42.5	46.0	44.5	38.5	27.5	26.0	26.2	28.0	32.5	36.5	37.5	41.0	35.6
1883	40.0	40.0	37.0	31.0	26.0	22.8	23.0	23.0	26.5	29.5	35.0	40.0	31.2
1884	41.0	37.5	37.8	33.0	25.0	22.5	22.2	23.5	28.0	31.5	31.0	30.5	30.3
1885	34.5	35.5	31.0	26.5	22.5	18.5	19.5	21.2	23.0	25.0	27.5	34.0	26.6
1886	34.0	34.0	32.5	29.5	20.0	17.2	18.5	21.5	25.8	29.5	28.8	30.5	26.8
1887	31.0	29.0	32.5	28.5	21.5	10.0	21.8	24.5	25.0	26.2	28.5	32.5	26.7
1888	34.5	31.5	31.0	28.5	25.5	20.0	21.2	21.0	23.8	25.5	30.8	36.5	27.5
1889	29.0	30.2	28.2	27.0	20.5	18.2	17.2	18.8	23.0	25.8	26.5	28.0	24.4
1890	28.8	28.8	26.8	21.5	17.5	15.8	17.8	21.5	24.0	24.5	27.8	30.0	23.7
1891	28.2	29.5	34.0	27.2	24.0	18.8	18.5	21.0	24.2	28.8	30.0	29.8	26.2
1892	31.0	30.8	29.8	28.0	19.8	18.2	22.0	24.0	25.0	27.0	31.0	31.0	26.3
1893	33.8	29.0	28.8	31.5	25.5	20.0	21.0	22.5	27.5	29.2	28.5	28.0	27.1
1894	26.2	29.8	23.0	22.2	17.0	18.0	19.8	23.8	25.0	25.0	24.8	25.0	23.0
1895	24.8	24.5	20.0	20.0	18.0	17.8	17.5	19.5	21.0	22.5	23.2	26.2	21.2
1896	22.5	19.8	21.8	16.8	15.7	15.5	15.0	16.0	15.9	18.8	21.4	22.6	18.5
1897	20.0	20.5	19.2	18.5	15.3	15.0	15.0	16.8	19.2	22.8	23.1	22.9	19.0
1898	20.5	20.0	19.5	19.4	16.2	16.8	17.2	18.9	20.0	21.9	23.2	21.0	19.6
1899	19.9	21.2	20.9	19.6	17.9	18.7	18.1	20.0	22.6	24.0	25.7	27.1	21.3
1900	26.8	24.9	24.9	19.6	20.1	19.4	19.5	20.8	21.5	21.8	24.9	25.3	22.2
1901	22.9	22.5	22.1	21.0	19.0	19.3	19.7	20.3	20.9	20.0	24.1	25.0	21.4
1902	24.1	28.3	28.2	28.8	22.7	22.0	21.3	19.9	21.6	24.0	26.0	29.1	24.7
1903	27.3	26.6	28.4	26.6	22.0	21.7	20.1	19.3	20.6	21.3	23.1	24.2	23.4
1904	22.7	25.1	24.5	22.8	20.1	18.0	17.6	17.9	19.4	20.9	24.8	26.8	21.7
1905	29.1	32.1	28.0	30.0	23.7	20.4	20.5	21.1	20.6	21.8	23.6	24.3	24.6
1906	26.5	27.1	27.0	21.8	20.1	20.2	20.6	22.5	24.6	26.1	27.6	31.6	24.6
1907	30.8	32.5	30.6	30.6	25.0	23.6	24.8	25.6	28.3	29.2	27.7	29.8	28.1

TABLE 141.—Butter: Average price per pound, New York, by months, 1830-1936—Continued

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Average
1908.....	31.5	32.8	29.3	29.0	24.2	23.8	22.9	23.3	24.5	27.4	30.3	32.0	27.6
1909.....	32.2	31.0	30.0	27.9	27.0	26.3	26.7	27.7	31.0	31.6	31.9	36.0	29.9
1910.....	34.4	30.6	33.5	32.0	29.0	28.5	29.1	30.3	31.2	31.4	32.5	30.9	31.1
1911.....	28.0	28.0	25.6	22.1	22.8	23.8	25.9	27.3	27.6	31.4	34.8	37.8	27.9
1912.....	39.1	31.7	31.1	32.8	30.4	27.3	27.1	26.6	29.7	31.2	34.4	37.2	31.6
1913.....	35.1	36.3	36.7	34.5	28.6	27.8	27.0	27.9	31.5	31.4	33.8	36.1	32.2
1914.....	32.6	29.3	27.7	25.4	26.1	27.2	27.9	30.4	31.4	31.6	34.7	33.9	29.8
1915.....	33.5	32.3	29.7	30.7	28.8	28.2	27.0	25.9	26.6	28.0	31.1	35.1	29.8
1916.....	32.6	33.8	36.9	36.0	31.0	29.8	28.9	31.2	33.9	35.4	39.4	39.8	34.0
1917.....	40.1	43.5	41.6	44.2	40.2	39.1	39.0	41.3	44.3	44.0	45.5	49.4	42.7
1918.....	52.2	51.1	44.6	43.3	45.3	44.0	44.8	40.0	55.9	58.7	63.3	68.7	51.5
1919.....	61.9	51.8	61.7	64.5	58.2	52.3	53.0	55.3	58.9	67.5	71.2	72.5	60.7
1920.....	64.6	66.0	66.4	71.4	61.3	57.4	66.7	55.4	69.3	60.2	63.2	64.8	61.4
1921.....	52.5	47.2	48.1	45.5	31.8	32.7	40.4	42.7	43.1	47.0	44.9	43.8	43.3
1922.....	37.5	37.2	38.4	37.7	36.8	36.7	36.2	35.4	41.0	46.0	60.7	54.2	40.7
1923.....	51.7	49.8	49.3	46.1	41.9	38.9	39.4	44.1	46.0	47.8	52.0	54.7	46.9
1924.....	53.0	50.5	46.7	38.5	38.9	41.5	40.0	38.4	37.9	38.7	42.9	44.8	42.0
1925.....	39.9	40.8	47.5	44.5	42.0	42.5	42.9	43.5	50.2	50.9	50.7	49.2	45.3
1926.....	44.9	44.9	42.8	39.4	40.8	41.2	40.5	41.8	44.6	46.9	60.6	64.7	44.4
1927.....	49.2	51.5	50.2	50.3	43.5	42.5	41.7	41.9	46.5	48.4	49.8	51.9	47.3
1928.....	48.8	46.6	49.4	45.5	44.9	44.1	44.9	46.9	48.8	47.8	50.6	50.5	47.4
1929.....	47.9	49.9	48.4	45.4	43.5	43.5	42.4	43.4	46.2	45.6	42.7	41.1	45.0
1930.....	36.5	35.7	37.3	38.5	34.8	32.9	35.3	38.0	39.8	40.0	36.1	32.2	36.5
1931.....	28.5	28.4	28.9	26.1	23.7	23.3	25.0	28.1	32.5	33.8	30.9	30.5	28.3
1932.....	23.6	22.5	22.6	20.1	18.8	17.0	18.2	20.3	20.8	20.7	23.3	24.1	21.0
1933.....	19.8	18.0	18.2	20.7	22.5	22.8	24.5	21.3	23.6	24.0	23.6	20.1	21.7
1934.....	19.8	25.4	25.4	23.7	24.5	24.9	24.5	27.4	25.8	26.0	29.4	31.0	25.7
1935.....	34.2	36.2	31.7	34.5	27.3	24.3	23.9	25.0	26.2	28.1	32.3	34.0	29.8
1936.....	34.6	36.9	32.2	31.0	27.5	29.7	33.6	.....	.....	.....	.....	.....	.....

Compiled as follows: January 1830-December 1879, New York Shipping and Commercial List. Average of range for 2 days each week during the month. January 1880-October 1895, Annual Reports of New York Chamber of Commerce. Average of monthly range. November 1895-December 1920, New York Produce Review and American Creamery, published by Urner-Barry Co. Average of daily quotations during the month. January 1921-July 1936, reports of the Bureau of Agricultural Economics. Average of daily quotations during the month. Quotations for butter usually include the price of the container. Grades quoted as follows: January 1830-December 1879, high grade; January 1880-October 1895, creamery extras; November 1895-July 1907, extra fresh; August 1907-April 1912, specials; May 1912-December 1917, extras and firsts; January 1918-December 1920, fresh extras, 92-score creamery; January 1921-July 1936, 92-score creamery.

TABLE 142.—Grease, house: Average price per pound, in tierces, New York, by months, 1910-36

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Average
1910.....	6.62	6.42	6.38	6.82	6.78	6.39	6.00	6.28	6.94	7.20	7.19	6.95	6.60
1911.....	7.00	7.00	6.31	6.15	6.50	6.06	5.80	5.99	6.03	6.00	5.81	5.75	6.18
1912.....	5.75	5.75	5.75	6.03	6.12	6.12	6.06	6.00	6.00	6.00	6.00	6.00	5.96
1913.....	6.00	6.00	6.00	6.00	5.70	5.50	5.50	5.50	5.50	5.50	5.50	5.50	5.88
1914.....	5.50	5.50	5.50	5.88	6.00	5.91	5.88	5.90	6.00	6.00	6.00	6.00	5.84
1915.....	6.00	6.06	6.12	6.12	6.12	5.47	5.25	5.25	5.25	5.80	5.94	6.12	5.79
1916.....	6.62	8.25	8.53	8.98	9.60	8.06	8.50	6.94	8.08	8.94	8.98	10.25	8.64
1917.....	10.25	10.25	10.90	13.12	15.31	16.44	14.81	14.62	15.25	16.00	15.88	16.12	14.08
1918.....	16.25	16.25	16.00	16.03	16.19	16.05	15.91	16.15	16.61	17.22	16.60	11.60	15.90
1919.....	9.19	7.25	7.55	8.53	10.70	11.22	14.28	12.60	13.50	14.50	13.95	12.72	11.33
1920.....	14.65	13.00	13.44	13.59	12.20	9.88	9.42	9.00	8.81	7.65	6.53	5.96	10.21
1921.....	4.90	4.56	4.62	3.80	4.00	3.75	3.40	4.22	4.78	4.89	4.62	4.60	4.34
1922.....	4.88	4.88	6.10	5.50	5.50	5.50	5.55	5.72	5.95	5.94	6.78	6.90	5.78
1923.....	7.92	8.12	8.62	8.55	7.59	6.64	5.67	5.80	6.82	6.50	6.55	6.22	7.07
1924.....	6.91	6.81	6.86	6.62	6.60	6.39	6.94	7.62	7.28	7.74	8.54	9.28	7.70
1925.....	9.30	8.30	8.60	8.28	8.31	8.45	8.83	9.12	8.97	9.01	8.88	9.05	8.30
1926.....	8.84	8.53	8.31	7.92	7.92	8.42	8.06	7.88	7.98	7.28	6.33	6.22	7.81
1927.....	6.38	6.80	6.81	6.64	6.70	6.69	6.79	6.75	7.06	7.09	7.62	7.45	6.95
1928.....	7.95	7.39	6.85	6.94	7.34	7.19	7.19	7.34	7.61	8.00	8.22	8.31	7.53
1929.....	8.31	8.53	8.44	7.80	7.09	6.66	6.64	7.06	7.28	7.19	6.71	6.31	7.34
1930.....	6.34	6.06	5.71	5.69	5.46	4.91	4.75	4.80	4.59	4.34	4.25	4.11	5.08
1931.....	3.66	2.97	3.22	3.44	3.22	2.50	2.44	2.44	2.25	2.70	3.03	2.80	2.89
1932.....	2.48	2.38	2.38	2.38	2.14	1.62	2.24	2.77	3.00	2.76	2.44	2.24	2.41
1933.....	2.23	1.91	2.25	2.31	3.38	3.62	3.56	3.31	2.86	2.69	2.78	2.74	2.81
1934.....	2.67	2.92	3.21	3.25	3.44	3.35	3.66	4.00	4.65	4.88	4.56	4.76	3.79
1935.....	5.28	5.81	6.61	6.47	6.60	6.46	5.80	5.31	5.50	6.41	6.30	5.94	6.00
1936.....	5.72	5.05	4.47	4.80	3.81	4.26	5.28	5.36	6.14	.....	.....	.....	.....

Compiled from the Oil, Paint, and Drug Reporter. Average of quotations for Saturdays during the month.

TABLE 143.—Grease, white: Average price per pound, in tierces, New York, by months, 1910-38

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Average ¹
	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>
1910.....	7.75	7.38	7.38	7.82	7.53	7.14	7.08	7.16	7.25	7.72	7.75	7.90	7.49
1911.....	7.88	7.50	7.06	6.90	6.88	6.56	6.39	6.53	6.75	6.50	6.41	6.38	6.81
1912.....	6.38	6.38	6.42	6.83	6.86	6.75	6.78	6.88	6.88	6.88	6.88	6.88	6.73
1913.....	6.88	6.88	6.88	6.88	6.78	6.75	6.75	6.75	6.75	6.75	6.75	6.75	6.80
1914.....	6.75	6.75	6.75	7.31	7.50	7.41	7.38	7.40	7.50	7.50	7.50	7.50	7.27
1915.....	7.50	7.50	7.02	7.62	7.62	6.97	6.75	6.75	6.75	7.52	7.81	8.00	7.37
1916.....	8.19	8.75	8.03	9.95	10.44	9.62	9.22	7.75	8.58	10.10	10.81	11.75	9.52
1917.....	11.25	11.25	12.30	13.81	16.75	17.25	16.25	15.50	15.75	17.00	18.25	18.50	16.33
1918.....	18.50	18.50	18.05	17.75	17.25	16.98	17.25	18.28	19.59	20.00	19.88	(?)	18.37
1919.....	(?)	(?)	(?)	(?)	(?)	(?)	(?)	16.38	17.75	18.25	18.60	17.41	17.68
1920.....	17.58	15.31	15.69	15.25	14.00	11.75	11.00	11.60	12.69	12.30	10.84	6.75	12.89
1921.....	6.22	6.50	6.50	6.30	6.22	6.38	6.55	6.44	6.80	6.40	7.25	7.35	6.58
1922.....	7.62	8.00	8.69	7.98	7.88	7.75	7.90	8.12	8.12	8.25	8.94	9.12	8.19
1923.....	10.12	10.50	10.52	10.28	8.91	7.94	7.88	8.05	8.82	7.81	7.82	7.45	8.84
1924.....	8.00	8.00	7.76	7.58	7.68	7.66	8.34	9.02	9.00	8.88	11.20	11.62	8.73
1925.....	11.40	10.03	10.09	10.88	11.00	11.03	11.41	12.22	12.25	12.21	11.31	11.00	11.24
1926.....	10.38	10.25	10.19	9.22	9.30	9.91	10.18	10.00	10.00	8.98	8.03	8.19	9.55
1927.....	8.69	8.75	8.75	8.40	8.48	8.56	8.56	8.38	8.47	9.19	9.23	9.05	8.71
1928.....	9.34	8.86	8.60	8.41	8.75	8.50	8.50	8.50	8.95	9.45	9.83	9.88	8.97
1929.....	9.72	9.36	9.20	8.84	8.39	7.76	7.78	8.14	8.22	7.80	8.08	7.88	8.44
1930.....	7.89	7.25	6.84	6.81	6.35	5.78	5.59	5.50	5.58	5.61	5.38	5.27	6.16
1931.....	4.84	4.05	4.41	4.61	4.56	3.45	3.44	3.44	3.31	3.31	3.72	3.64	3.92
1932.....	3.22	3.12	3.12	3.12	2.77	1.94	2.79	3.31	3.78	3.48	3.25	2.99	3.07
1933.....	2.91	2.66	3.00	3.10	3.67	3.94	3.94	3.72	3.20	3.02	3.00	3.32	3.30
1934.....	3.23	3.41	3.59	3.64	3.81	3.81	4.16	4.50	5.09	5.39	5.00	5.16	4.24
1935.....	5.69	6.28	7.70	7.74	7.84	7.70	6.97	6.41	6.68	7.06	7.14	7.06	7.02
1936.....	6.90	6.45	5.95	6.06	5.26	5.62	6.52	6.95	7.56	-----	-----	-----	-----

¹ Based on months shown.² Nominal.

Compiled from the Oil, Paint, and Drug Reporter. Average of quotations for Saturdays during the month.

TABLE 144.—Lard compounds: Average wholesale price per 100 pounds, Chicago, by months, 1920-3.

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Average
	<i>Dol.</i>	<i>Dol.</i>	<i>Dol.</i>	<i>Dol.</i>	<i>Dol.</i>	<i>Dol.</i>	<i>Dol.</i>	<i>Dol.</i>	<i>Dol.</i>	<i>Dol.</i>	<i>Dol.</i>	<i>Dol.</i>	<i>Dol.</i>
1920.....	25.15	23.72	23.04	23.23	22.94	21.95	20.39	18.13	17.20	17.13	15.38	13.00	20.10
1921.....	12.38	11.69	10.63	9.81	9.63	9.70	11.00	11.73	12.28	12.13	11.30	10.94	11.06
1922.....	11.00	12.10	14.13	13.44	13.38	13.35	13.35	12.90	11.78	11.79	12.28	12.62	12.68
1923.....	13.35	13.72	14.03	14.06	13.95	13.82	13.47	12.87	14.09	14.63	14.51	14.39	13.91
1924.....	14.20	13.47	13.06	12.88	12.94	12.88	14.23	15.12	15.19	14.35	14.44	14.60	13.95
1925.....	14.69	13.88	14.72	14.38	14.06	14.00	14.20	14.75	14.40	13.31	13.50	13.50	14.12
1926.....	13.81	14.00	15.17	15.68	15.84	17.20	16.88	15.88	15.50	14.38	12.12	11.65	14.84
1927.....	10.65	10.88	11.25	12.00	12.00	11.35	10.50	10.74	13.00	13.50	12.60	12.62	11.76
1928.....	12.88	12.75	11.75	12.50	12.80	13.00	13.25	13.00	14.00	13.40	12.62	11.88	12.82
1929.....	12.40	12.94	13.06	12.88	12.06	11.85	12.22	12.38	12.31	11.99	11.39	11.06	12.21
1930.....	10.80	11.12	11.38	11.05	10.75	11.00	11.25	12.00	13.38	11.44	11.12	10.25	11.30
1931.....	9.38	8.90	9.50	9.60	9.12	8.88	8.35	8.91	8.80	8.38	8.25	7.70	8.81
1932.....	6.31	6.12	6.25	5.75	5.25	4.93	6.44	6.50	6.25	5.75	5.87	5.15	5.88
1933.....	5.34	4.74	5.32	6.16	7.35	7.60	8.14	8.16	7.62	7.79	7.12	7.00	6.82
1934.....	7.00	7.06	7.38	7.44	7.45	7.38	7.38	8.55	9.59	10.32	11.66	11.65	8.57
1935.....	13.07	13.50	13.50	13.41	13.25	13.19	12.65	12.75	13.16	13.00	13.00	13.00	13.12
1936.....	12.45	12.25	11.94	11.80	11.19	11.25	11.95	12.09	12.80	-----	-----	-----	-----

Average of weekly average of daily quotations during the month. Quoted as lard substitutes and represent refined deodorized cottonseed oil combined with beef stearines as follows: 15-20 percent oleostearine; 80-85 percent refined cottonseed oil. 1921-26 quoted in tierces; beginning 1927, in hardwood tubs.

TABLE 145.—Lard, neutral: Average price per 100 pounds, Chicago, by months, 1909-36

Year beginning October—	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Average ¹	
	Year beginning October	Year beginning October	Year beginning October	Year beginning October	Year beginning October	Year beginning October	Year beginning October	Year beginning October	Year beginning October	Year beginning October	Year beginning October	Year beginning October	Year beginning October	Year beginning January
	Dol.	Dol.	Dol.	Dol.	Dol.	Dol.	Dol.	Dol.	Dol.	Dol.	Dol.	Dol.	Dol.	Dol.
1909	13.88	12.64	12.25	11.98	10.67	9.65	8.47	8.59	8.81	8.67	9.75	10.70	14.42	13.78
1910	10.38	10.61	10.44	10.67	10.50	11.14	11.72	12.00	11.75	11.23	12.00	12.66	11.25	9.89
1911	14.10	13.47	12.81	11.98	11.61	12.06	11.01	11.50	11.44	11.94	12.06	11.90	12.28	12.00
1912	11.86	11.06	11.26	11.28	11.34	11.12	10.86	10.72	10.69	10.69	11.39	12.64	11.29	11.79
1913	12.17	13.17	12.35	11.91	12.50	11.41	10.59	10.50	10.69	9.64	9.52	9.32	11.15	11.54
1914	12.17	12.92	12.47	12.12	11.64	12.14	12.72	13.75	13.50	13.88	13.72	15.33	13.02	11.14
1915	16.19	18.33	18.28	17.60	18.65	21.16	23.25	24.93	23.50	22.06	23.70	27.34	21.30	14.29
1916	28.92	29.31	28.13	27.38	27.69	28.12	27.40	26.37	26.50	27.40	28.50	29.19	27.91	24.10
1917	29.47	29.38	29.38	28.08	28.59	29.78	31.72	34.13	35.32	35.83	35.32	32.65	31.04	28.06
1918	31.05	34.00	27.92	26.47	24.06	25.08	24.56	23.72	22.35	20.69	20.38	24.33	25.43	32.08
1919	25.56	23.22	10.12	17.65	16.15	13.32	11.63	11.38	11.50	12.38	13.47	14.00	16.70	23.30
1920	14.12	12.50	12.12	12.12	12.22	13.08	11.84	12.43	12.92	13.12	13.00	12.91	12.70	13.27
1921	13.25	13.50	13.62	13.40	12.97	13.55	13.12	12.70	12.16	12.32	12.10	14.44	13.10	12.83
1922	14.92	15.16	14.62	13.65	12.25	12.19	12.15	12.09	12.12	14.02	16.38	18.06	13.97	13.46
1923	21.57	19.19	18.45	17.94	16.88	18.62	17.80	17.50	19.26	20.03	20.44	20.25	18.09	15.18
1924	19.06	18.44	17.10	17.40	16.53	15.88	15.28	16.90	18.40	17.81	16.75	16.35	17.16	18.61
1925	16.44	16.69	16.35	14.88	14.62	14.40	13.75	13.44	13.55	13.50	13.40	15.31	14.09	16.73
1926	15.62	15.00	14.19	13.62	12.40	12.75	13.06	13.50	13.12	13.50	14.40	15.63	13.89	14.30
1927	15.20	13.62	13.19	13.05	13.00	13.62	13.16	13.00	12.91	13.15	13.38	13.69	13.41	13.66
1928	13.05	12.12	12.00	11.70	12.06	11.88	11.90	11.60	10.90	10.85	12.66	14.25	12.07	13.01
1929	13.55	12.10	10.92	9.91	9.16	10.09	9.65	8.69	8.88	8.98	8.85	9.00	10.06	12.02
1930	10.31	9.12	7.85	7.06	6.06	6.35	6.00	5.50	5.72	6.64	6.90	6.84	7.04	9.28
1931	6.50	6.37	6.12	5.81	5.81	5.83	6.31	7.90	7.40	7.75	7.23	6.97	6.67	6.35
1932	7.31	7.37	6.66	6.36	7.94	8.00	7.62	7.44	7.97	8.35	10.25	12.18	8.12	6.89
1933	11.87	12.48	13.26	14.50	15.12	16.06	15.25	15.72	16.90	16.93	18.81	18.31	15.43	9.48
1934	16.55	14.94	13.72	12.46	12.40	12.62	12.70	11.75	11.62	12.70	13.50	13.90	13.24	16.07
1935														
1936														

¹ Based on months shown.

Compiled from the National Provisioner. Average of weekly quotations during the month.

TABLE 146.—Lard, prime steam: Average wholesale price per 100 pounds, Chicago, by months, 1858-1936

Year beginning October—	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Average ¹	
	Year beginning October	Year beginning October	Year beginning October	Year beginning October	Year beginning October	Year beginning October	Year beginning October	Year beginning October	Year beginning October	Year beginning October	Year beginning October	Year beginning October	Year beginning January	
	Dol.	Dol.	Dol.	Dol.	Dol.	Dol.	Dol.	Dol.	Dol.	Dol.	Dol.	Dol.	Dol.	Dol.
1858	10.75	11.38	11.00	11.38	11.00	11.38	11.00	11.38	11.75	11.25	11.25	11.25	11.27	11.15
1859	11.75	10.75	9.88	9.62	10.12	10.25	10.00	10.38	11.50	12.25	12.50	12.50	10.60	11.17
1860	12.60	11.50	10.88	10.12	9.50	9.75	10.38	10.62	9.00	9.00	7.25	7.75	9.85	11.17
1861	7.25	7.25	6.81	6.50	6.32	6.88	7.25	7.50	7.50	7.75	7.50	7.88	7.20	8.72
1862	8.62	8.38	8.12				9.75	9.06	8.88	8.94	9.38	9.88	9.00	7.52
1863	10.88	11.44	11.09	12.25	12.25	12.00	12.88	13.38	15.50	18.25	21.50	23.25	14.61	9.99
1864	20.60	21.50	21.75	20.88	21.38	19.25	17.00	17.75	17.25	21.25	24.00	26.88	20.78	17.08
1865	28.50	25.75	19.00	17.00	17.38	17.88	15.28	12.22	22.50	21.88	20.00	20.62	10.25	20.74
1866	16.12	13.25	12.12	11.88	11.88	12.38	12.50	12.50	12.06	11.88	12.75	13.00	12.60	18.09
1867	13.06	12.08	12.00	12.18	14.38	15.75	16.75	18.50	16.25	16.25	18.12	18.88	15.36	12.33
1868	17.38	14.88	16.38	19.00	19.38	18.38	17.75	17.75	18.75	18.50	19.00	18.50	17.90	16.22
1869	17.25	17.12	17.62	16.38	14.88	13.62	15.25	16.00	15.88	16.00	16.00	15.38	16.85	18.25
1870	14.75	12.75	11.62	11.94	12.50	12.18	11.25	10.62	9.88	10.06	9.18	9.00	11.31	14.88
1871	9.25	8.60	8.62	8.40	8.88	8.46	8.48	8.74	8.65	9.85	8.56	8.88	8.70	10.26
1872	8.18	7.50	7.12	7.19	7.44	7.75	8.75	8.81	8.25	8.38	7.75	7.88	7.02	8.88
1873	7.38	7.00	7.04	8.70	8.05	8.82	9.45	10.32	10.88	11.88	14.00	14.00	10.82	7.48
1874	13.88	13.00	13.15	13.38	13.48	13.48	14.90	14.88	13.64	13.45	13.30	13.19	13.84	11.40
1875	13.66	12.34	12.30	12.19	12.41	13.32	13.28	11.96	10.98	10.98	10.70	10.10	12.01	13.40
1876	10.39	10.18	10.39	11.08	10.44	9.40	9.75	9.61	8.90	8.85	8.46	8.62	9.68	11.11
1877	8.61	8.06	7.76	7.32	7.24	7.04	7.05	6.74	6.66	6.91	7.42	6.61	7.28	9.43
1878	6.18	5.84	5.49	5.76	6.39	6.59	6.12	6.08	6.11	5.88	5.54	5.84	6.08	6.71
1879	6.21	6.60	7.41	7.45	7.15	7.02	6.82	6.75	6.62	6.88	7.68	7.89	7.04	6.21
1880	8.16	8.39	8.40	8.88	9.82	10.25	10.96	10.64	10.74	11.69	11.42	11.74	10.09	7.43
1881	11.82	11.09	11.04	11.11	10.84	10.51	10.99	11.24	11.61	12.12	12.32	12.08	11.39	10.84

¹ Based on months shown.

TABLE 146.—Lard, prime steam: Average wholesale price per 100 pounds, Chicago, by months, 1858-1936—Continued

Year beginning October—	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Average	
	Year beginning October	Year beginning January												
1882	12.38	11.36	10.70	10.48	11.09	11.25	11.42	11.80	10.35	8.70	8.45	8.15	10.51	11.43
1883	7.72	7.45	8.41	8.82	9.45	9.41	8.68	8.24	7.04	7.22	7.58	7.40	8.17	9.61
1884	7.39	7.00	6.70	6.84	6.92	6.80	6.90	6.65	6.51	6.54	6.31	6.15	6.73	7.96
1885	6.01	6.05	6.44	6.01	6.04	5.95	5.91	5.90	6.10	6.60	7.15	7.30	6.20	6.52
1886	6.16	5.89	6.11	6.44	6.72	7.40	7.16	6.68	6.45	6.54	6.50	6.46	6.54	6.28
1887	6.40	6.67	7.48	7.50	7.78	7.60	7.64	8.29	8.36	8.34	8.62	10.10	7.90	6.74
1888	9.66	8.32	8.08	7.14	0.79	6.89	6.90	6.82	6.35	6.29	6.16	6.05	7.12	8.35
1889	6.26	6.25	6.88	5.88	5.79	5.95	6.30	6.20	5.79	5.79	6.11	6.15	6.03	6.46
1890	6.28	6.05	5.66	5.82	5.64	6.25	6.68	6.49	6.12	6.25	6.59	6.81	6.22	6.00
1891	6.36	6.09	6.04	6.28	6.46	6.38	6.20	6.29	6.51	7.08	7.71	7.52	6.58	6.26
1892	8.38	9.42	9.86	11.08	12.05	12.15	10.35	10.54	9.92	9.72	8.19	8.90	10.05	7.34
1893	9.90	9.20	8.05	8.02	7.60	6.98	7.44	7.24	6.71	6.84	7.32	8.45	7.80	10.00
1894	7.62	6.96	6.72	6.66	6.42	6.74	6.75	6.66	6.38	6.36	6.06	5.81	6.59	7.32
1895	5.08	5.39	5.26	5.56	5.55	5.22	4.94	4.45	4.00	3.60	3.10	3.42	4.68	6.17
1896	4.15	4.00	3.85	3.88	3.85	4.10	4.15	4.09	3.68	4.05	4.52	4.02	4.08	4.32
1897	4.40	4.22	4.35	4.71	4.98	5.04	5.30	6.29	5.94	5.42	5.20	4.98	5.08	4.16
1898	4.89	4.96	5.30	5.61	5.41	5.20	5.21	5.01	4.94	5.22	5.25	5.28	5.19	5.26
1899	5.35	5.00	6.24	5.85	5.89	6.10	6.90	6.91	6.78	6.75	6.75	6.92	6.20	5.23
1900	7.09	7.11	6.90	7.20	7.40	7.78	8.38	8.06	8.48	8.55	8.74	9.00	7.95	6.67
1901	9.61	9.04	9.76	9.08	9.30	9.41	9.70	10.18	10.36	10.91	10.44	10.98	9.95	8.55
1902	10.82	10.90	10.58	9.99	9.52	9.94	9.85	9.20	8.50	7.96	7.78	8.52	9.46	10.27
1903	8.60	6.72	6.48	6.91	7.49	7.01	6.70	6.38	6.68	6.95	6.76	7.02	6.98	8.59
1904	7.19	7.04	6.88	6.73	6.74	6.92	7.12	7.18	7.20	7.09	7.70	7.51	7.11	6.92
1905	7.12	7.08	7.61	7.44	7.55	8.03	8.59	8.49	8.74	8.93	8.66	7.79	7.99	7.16
1906	9.33	9.36	8.75	9.29	9.70	9.03	8.68	8.95	8.69	8.91	8.89	8.98	9.06	8.47
1907	8.86	8.16	7.98	7.70	7.21	7.87	8.19	8.42	8.66	9.30	9.33	9.94	8.45	8.84
1908	9.62	9.31	9.23	9.57	9.52	10.05	10.32	10.60	11.54	11.52	11.66	12.23	10.43	8.72
1909	12.17	12.93	13.12	12.43	12.60	14.08	12.33	12.05	12.27	11.85	11.82	12.44	12.57	11.27
1910	12.93	10.82	10.31	10.32	9.60	8.83	7.93	8.03	8.17	8.30	8.97	9.32	9.46	12.23
1911	8.85	9.07	9.00	9.24	8.90	9.37	10.06	10.77	10.87	10.57	10.73	11.08	9.88	8.86
1912	11.47	11.15	10.46	9.88	10.50	10.66	11.00	11.05	10.99	11.53	11.28	11.15	10.93	10.39
1913	10.60	10.63	10.88	10.89	10.67	10.52	10.23	9.95	10.03	10.08	9.60	9.68	10.30	10.83
1914	10.22	10.80	10.05	10.69	10.53	9.84	9.95	9.71	9.39	8.08	7.92	8.13	9.61	10.24
1915	9.07	8.94	9.47	10.32	9.99	10.79	11.77	12.80	12.87	13.12	13.44	14.47	11.42	9.31
1916	15.34	16.91	16.66	16.67	16.00	19.30	21.00	22.30	21.41	20.77	22.40	24.03	19.40	13.21
1917	24.29	27.13	25.46	24.39	26.05	26.07	25.44	24.53	24.50	26.09	26.78	26.98	25.64	21.73
1918	20.66	26.69	25.31	23.46	24.83	27.35	30.09	33.58	34.15	34.76	30.01	26.19	28.69	25.79
1919	27.41	25.86	23.11	23.52	20.32	20.44	19.44	20.46	20.34	18.52	18.33	19.36	21.42	28.40
1920	19.84	19.41	14.09	13.04	11.86	11.45	9.65	9.40	9.84	11.36	11.04	10.89	12.66	19.50
1921	9.40	8.96	8.64	9.16	10.68	11.07	10.77	11.26	11.34	11.07	10.70	10.60	10.30	10.46
1922	11.06	11.23	10.65	11.29	11.30	11.80	11.30	11.05	11.17	10.83	11.04	11.99	11.23	10.80
1923	12.59	13.54	12.51	12.15	11.00	10.93	10.71	10.44	10.49	12.10	13.74	13.50	11.98	11.70
1924	15.44	14.50	16.28	15.94	15.66	16.46	15.50	15.73	17.00	17.39	17.17	17.02	16.17	12.61
1925	15.80	15.57	14.37	15.08	14.58	14.41	13.97	15.35	16.42	15.80	14.96	14.51	15.07	16.13
1926	13.56	12.20	12.30	12.28	12.26	12.38	12.24	12.24	12.58	12.67	12.52	12.67	12.49	14.43
1927	12.26	11.87	11.46	11.88	11.13	11.48	11.72	11.79	11.80	12.14	12.26	12.50	11.88	12.29
1928	11.80	11.46	11.00	11.77	11.85	12.18	11.74	11.69	11.76	12.12	11.90	11.61	11.73	11.75
1929	10.85	10.32	10.19	10.31	10.68	10.17	10.32	10.18	9.72	9.61	10.97	11.52	10.40	11.49
1930	11.41	10.67	9.54	8.54	8.08	8.88	8.59	7.76	7.98	7.87	7.17	7.22	8.64	10.42
1931	7.84	6.68	5.62	5.17	4.72	4.74	4.36	3.94	3.95	5.09	5.17	4.99	5.19	7.69
1932	4.32	4.70	4.09	4.22	3.84	4.37	4.70	6.31	6.22	6.86	5.77	5.67	6.10	4.61
1933	5.28	5.51	4.78	5.49	6.36	6.30	5.02	6.02	6.55	6.94	8.45	9.36	8.41	5.30
1934	9.41	10.29	11.70	12.84	13.34	13.12	12.83	13.17	13.56	14.29	16.25	15.85	13.05	7.73
1935	14.45	13.45	12.25	11.14	10.82	10.84	10.98	10.42	10.31	10.96	12.07	11.68	11.61	13.78
1936														

¹ Based on months shown.

Compiled as follows: January 1859-September 1904, from the Chicago Board of Trade. Average of monthly range, October 1904-1936, from the National Provisioner. Average of weekly quotations during the month. Quoted as follows: Prior to April 1863, lard; April 1863-March 1867, prime lard; April 1867-December 1868, prime steamed; January 1869-December 1900, steam rendered; January 1901-September 1904, lard; October 1904-1936, prime steam, cash. It is believed that this price refers to prime steam throughout the series. Prior to 1874, quoted in cents per pound. October 1904-Dec. 8, 1928, quoted in tiers of 300 pounds; subsequently no container mentioned. Quotations for lard usually include price of container.

TABLE 147.—Lard, refined: Average wholesale price per 100 pounds, Chicago, by months, 1919-36

Year beginning October—	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Average ¹	
	Dol.	Dol.	Dol.	Dol.	Dol.	Dol.	Dol.	Dol.	Dol.	Dol.	Dol.	Dol.	Year beginning October	Year beginning January
1919	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
1920	23.28	22.07	18.15	16.03	14.91	14.48	13.07	11.88	12.03	13.94	13.65	13.51	15.58	22.43
1921	12.16	11.62	11.25	11.19	12.59	13.50	12.62	13.15	13.22	13.06	13.30	13.00	12.56	13.21
1922	14.12	13.78	13.31	13.20	13.25	13.87	13.42	13.12	13.18	12.84	12.83	15.06	13.60	13.07
1923	15.22	15.72	15.04	14.52	13.03	12.84	12.50	12.19	12.13	13.65	15.94	16.25	14.09	13.90
1924	18.05	16.68	18.00	17.59	17.03	18.25	17.07	16.50	18.13	18.42	18.94	18.95	17.60	14.65
1925	18.75	18.50	16.67	16.81	16.44	16.70	16.75	17.13	18.48	18.00	17.38	17.50	17.43	17.90
1926	10.75	15.75	15.25	13.59	13.72	14.38	14.32	14.12	13.55	12.25	12.54	14.25	14.19	16.91
1927	14.50	13.60	13.25	12.50	11.60	11.50	13.50	13.10	13.50	14.00	14.70	15.25	13.33	13.06
1928	14.40	13.62	12.88	12.75	12.75	13.31	13.25	12.85	12.85	13.22	13.66	13.81	13.27	13.30
1929	13.17	12.21	11.94	11.45	12.38	12.12	11.65	11.50	11.00	10.50	12.44	14.25	12.05	12.97
1930	13.94	12.31	10.70	9.62	8.94	10.00	10.00	9.50	9.53	8.65	8.32	9.00	10.04	12.02
1931	8.58	8.47	7.65	6.50	6.53	6.70	6.00	5.50	5.33	6.96	7.00	6.75	6.83	9.02
1932	6.25	6.19	5.28	5.69	5.00	5.50	6.09	7.23	7.04	7.53	6.65	6.31	6.23	6.25
1933	6.73	6.98	6.25	6.32	7.12	7.88	7.50	7.00	7.31	7.56	9.63	11.25	7.62	6.42
1934	10.88	11.75	11.97	13.82	14.44	14.66	14.66	14.65	15.19	15.65	16.81	16.97	14.29	8.84
1935	16.00	14.38	13.62	12.15	12.06	11.88	11.90	11.12	11.28	12.10	12.81	12.48	12.65	15.07
1936	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....

¹ Based on months shown.

Average of weekly average of daily quotations during the month. Quoted as follows: February 1920-December 1926, pure lard in tierces; beginning January 1927, refined in hardwood tubs. It is believed that this price refers to refined lard throughout the series.

TABLE 148.—Lard oil, Extra No. 1: Average price per pound, in barrels, New York, by months, 1917-36

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Average
1917	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
1918	30.0	30.7	31.3	31.3	31.3	31.3	31.3	31.3	30.3	30.3	30.3	30.0	30.8
1919	28.0	28.0	30.0	33.3	36.0	37.3	38.3	37.0	34.3	31.0	32.7	31.7	33.1
1920	31.7	29.0	26.7	26.0	26.7	25.3	24.0	24.0	24.7	25.7	25.3	23.7	26.1
1921	11.7	8.7	9.3	9.3	9.3	9.1	8.9	8.3	9.2	9.5	9.6	9.6	9.4
1922	9.6	9.6	9.6	9.8	9.5	9.8	10.0	10.8	10.8	11.2	12.2	12.5	10.4
1923	13.2	13.2	13.2	13.0	12.6	11.5	10.8	11.1	11.8	11.2	11.0	10.9	12.0
1924	11.2	11.2	11.6	11.2	11.1	10.8	11.4	12.0	12.5	13.0	13.2	13.8	11.9
1925	14.8	13.9	13.5	13.8	13.0	12.9	13.8	13.9	13.2	13.8	13.8	13.8	13.7
1926	13.4	13.5	13.2	12.5	12.4	12.8	12.6	12.1	11.8	11.6	11.0	10.6	12.3
1927	10.6	11.0	11.2	11.1	11.2	11.5	11.4	11.2	11.5	12.8	12.9	12.5	11.6
1928	12.4	12.1	11.6	12.0	12.0	12.1	12.2	12.2	12.5	12.9	13.1	12.9	12.3
1929	12.8	13.0	13.1	13.1	13.1	12.1	12.1	12.0	12.0	12.0	12.0	12.0	12.4
1930	11.0	10.8	10.8	10.5	10.3	9.9	9.8	9.8	9.8	9.7	9.1	9.0	10.0
1931	8.8	8.8	8.6	9.5	8.4	8.2	8.2	8.1	7.9	7.6	8.0	7.6	8.2
1932	7.5	7.3	7.1	7.0	6.5	6.4	6.0	6.2	6.8	7.0	6.9	6.6	6.8
1933	6.1	6.2	6.5	6.8	7.0	7.9	8.0	7.9	7.4	7.2	7.2	7.4	7.1
1934	7.5	7.5	7.5	7.5	7.6	7.8	6.8	7.6	7.8	7.8	8.0	8.2	7.6
1935	8.6	9.3	10.6	10.9	10.8	11.0	10.6	10.0	10.2	10.5	10.6	10.1	10.3
1936	9.8	9.0	9.0	8.8	8.2	7.9	8.6	9.4	9.8	.....	.....	.....	.....

Compiled from the Oil, Paint, and Drug Reporter. Average of monthly range, 1917-20; beginning 1930, average of quotations for Saturdays during the month. Quotations for 1917-20 are for prime winter edible.

TABLE 149.—*Oleo oil, No. 1: Average price per pound, New York, by months, 1917-36*

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Average
	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>
1917	19.0	18.1	19.0	20.0	22.5	20.5	19.2	19.2	21.2	23.8	22.2	22.5	20.6
1918	23.0	23.5	25.4	24.2	23.0	23.9	24.2	24.8	24.2	24.8	27.2	28.8	24.8
1919	30.5	29.2	28.5	28.8	30.5	32.0	32.5	30.5	29.2	28.2	29.5	29.0	29.9
1920	28.2	25.8	23.8	21.0	20.5	18.5	17.2	16.2	18.5	20.0	17.5	15.0	20.2
1921	12.9	10.9	10.2	8.9	8.3	8.8	9.0	11.1	12.8	12.6	11.5	10.3	10.6
1922	10.6	10.6	11.2	10.2	10.8	10.9	11.5	11.9	11.6	11.8	12.9	13.5	11.5
1923	13.4	13.4	13.5	14.1	14.0	12.8	11.9	11.4	12.2	13.8	14.9	15.8	13.4
1924	16.1	15.8	13.9	12.4	12.4	12.6	13.8	16.0	17.4	19.9	21.5	19.0	15.9
1925	15.5	13.2	12.5	13.0	12.4	13.4	14.4	16.5	16.6	15.8	14.0	13.4	14.2
1926	13.4	12.0	12.9	12.8	13.4	14.5	14.4	12.6	12.2	11.8	11.2	10.5	12.7
1927	10.5	11.5	12.1	11.5	13.0	13.9	14.0	13.5	15.4	17.4	18.2	17.8	14.1
1928	17.2	15.8	14.0	14.5	14.1	14.1	13.5	13.0	13.4	13.0	12.4	11.5	13.9
1929	11.4	11.5	11.5	11.4	11.1	10.9	10.8	11.0	11.2	11.4	11.2	11.6	11.2
1930	12.2	12.2	12.4	12.4	12.5	11.9	10.4	10.6	10.6	8.9	8.9	8.9	11.0
1931	8.3	7.4	7.5	7.6	7.4	7.2	6.6	6.6	6.6	6.6	7.2	7.8	7.2
1932	7.2	6.7	6.6	6.2	6.1	6.0	5.7	5.7	6.1	6.2	6.4	6.2	6.3
1933	6.0	5.7	6.0	6.2	6.6	6.6	6.6	6.8	6.6	6.2	6.2	6.4	6.4
1934	6.5	6.1	6.1	6.1	5.8	6.0	6.5	7.4	10.7	11.5	11.3	10.5	7.9
1935	10.4	12.4	14.5	13.5	13.0	12.8	12.1	12.2	13.0	13.4	13.8	13.9	12.0
1936	13.4	12.4	11.5	11.0	10.1	9.2	9.4	10.2	11.1	-----	-----	-----	-----

¹ Mostly nominal.

Compiled from the Oil, Paint, and Drug Reporter. Average of monthly range, 1917-30; beginning 1931, average of quotations for Saturdays during the month. Since July 1921 reported in barrels; prior to that date, in tierces. Quotations for 1917-21 are for oleo oil, prime.

TABLE 150.—*Oleostearine: Average price per pound, in barrels, New York, by months, 1914-36*

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Average
	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>
1914	9.0	9.1	8.8	8.8	8.6	8.0	7.6	9.0	10.6	10.1	10.2	10.5	9.2
1915	10.0	10.0	9.2	8.9	9.1	8.2	8.1	9.5	9.8	10.1	10.8	10.1	9.5
1916	9.4	9.8	10.7	11.8	11.9	11.4	10.5	10.2	10.4	14.6	15.2	15.2	11.8
1917	13.8	13.1	13.6	16.1	18.8	19.8	16.8	17.5	19.8	22.2	22.0	19.8	17.8
1918	18.6	18.6	20.6	19.8	18.6	18.4	19.6	21.0	21.8	24.0	24.2	21.1	20.5
1919	16.0	12.4	15.2	26.0	33.2	31.0	28.8	24.2	19.5	20.2	21.5	21.2	22.4
1920	21.0	20.0	17.6	17.0	15.9	14.5	13.0	13.8	15.5	15.5	11.0	8.2	15.2
1921	9.4	7.9	7.3	6.8	7.8	7.5	9.0	11.1	10.9	10.2	8.4	7.6	8.7
1922	8.0	9.0	10.2	9.4	9.0	9.5	10.0	9.6	9.4	9.9	11.4	10.0	9.6
1923	10.4	10.5	10.6	10.8	9.0	8.8	8.9	10.1	12.1	12.6	11.1	11.3	10.5
1924	10.2	9.7	9.2	10.1	10.6	10.0	13.0	15.8	13.6	12.4	12.5	11.8	11.6
1925	11.2	10.5	12.4	12.8	11.7	12.4	13.8	14.8	14.5	15.2	13.8	14.0	13.1
1926	12.6	11.9	12.5	11.2	12.5	14.8	13.8	11.8	12.6	12.0	10.4	9.8	12.2
1927	9.4	10.0	10.6	9.3	9.8	9.7	10.1	10.5	12.2	13.0	11.8	10.1	10.5
1928	10.2	9.6	10.4	11.3	11.1	9.8	10.1	10.6	12.0	11.7	10.6	10.2	10.6
1929	10.9	11.9	11.2	10.8	9.9	9.8	9.9	10.9	10.9	10.7	9.9	9.6	10.5
1930	9.3	9.4	9.1	9.0	8.7	8.4	8.2	8.6	9.4	8.8	8.6	8.8	8.9
1931	8.0	7.5	8.3	8.5	7.3	6.7	8.0	8.6	7.8	6.9	6.8	6.2	7.6
1932	5.2	4.8	4.8	4.6	4.3	3.9	5.1	6.4	6.8	6.1	5.4	4.4	5.2
1933	3.9	3.7	4.1	4.2	5.4	5.6	6.0	6.1	5.2	5.2	5.3	5.4	5.0
1934	5.1	5.3	5.8	5.8	5.4	5.4	6.3	6.9	9.7	10.0	8.6	9.0	6.9
1935	9.6	11.1	12.3	10.9	9.8	9.5	9.2	10.3	11.8	11.9	11.8	10.6	10.8
1936	9.5	8.6	7.9	8.1	7.6	7.3	9.0	10.2	10.2	-----	-----	-----	-----

Compiled from the Oil, Paint, and Drug Reporter. Average of monthly range, 1914-29; beginning 1930, average of quotations for Saturdays during the month.

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TABLE 151.—Tallow, inedible: Average wholesale price per pound, Chicago, by months, 1910-36

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Average
	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>
1910	6.97	6.91	7.28	7.47	7.09	6.99	7.09	7.25	7.61	7.61	7.69	7.12	7.26
1911	7.25	6.97	6.52	5.80	5.84	5.75	5.77	6.12	6.76	6.02	6.60	6.16	6.35
1912	6.10	6.11	6.12	6.00	6.55	6.44	6.33	6.39	6.44	6.56	6.32	6.41	6.37
1913	6.20	6.38	6.38	6.44	6.14	6.19	6.32	6.81	6.88	6.70	6.75	6.58	6.51
1914	6.69	6.62	6.62	6.50	6.47	6.38	6.25	6.19	6.56	6.16	6.27	6.32	6.42
1915	6.36	6.50	6.42	6.50	6.38	6.08	6.00	6.06	5.92	7.12	7.56	8.25	6.00
1916	8.62	8.69	9.01	9.98	10.21	9.38	8.52	7.80	9.06	9.91	10.92	11.06	9.43
1917	11.14	11.44	12.40	14.14	17.41	17.44	16.19	16.27	16.88	16.75	17.03	17.50	15.38
1918	17.12	17.00	17.12	16.94	16.72	16.44	17.28	17.88	18.21	19.00	18.12	14.06	17.17
1919	10.28	9.06	9.38	12.12	13.81	14.62	18.92	17.28	15.47	16.88	15.24	15.18	14.02
1920	16.84	15.03	14.85	14.50	13.28	10.90	11.03	11.19	11.40	9.50	7.06	5.68	11.76
1921	5.84	5.38	4.90	4.53	5.09	4.35	4.31	5.25	6.16	6.25	5.98	5.69	5.31
1922	5.75	6.00	6.35	6.25	6.15	6.00	5.94	6.18	6.38	6.69	7.48	7.62	6.40
1923	8.58	8.62	9.28	8.72	7.08	6.54	6.20	6.52	7.66	7.32	7.41	7.28	7.64
1924	7.61	7.50	7.44	7.12	6.97	6.50	7.22	8.25	8.12	8.78	9.28	9.82	7.89
1925	9.94	9.00	9.36	9.02	8.62	8.88	9.38	9.50	9.38	9.31	9.25	9.28	9.24
1926	9.38	9.22	9.00	8.18	8.23	8.56	8.08	7.72	7.88	7.44	7.06	6.45	8.10
1927	6.89	7.44	7.40	7.12	7.28	7.35	7.34	7.41	8.06	8.00	8.07	7.88	7.52
1928	8.30	7.87	8.12	8.39	8.33	7.88	7.88	7.90	8.44	8.62	8.81	8.98	8.29
1929	8.89	9.03	8.63	8.10	7.66	7.32	7.44	7.85	7.95	7.90	7.72	7.32	7.97
1930	7.12	6.64	6.31	6.33	5.72	5.16	5.18	5.41	5.17	4.64	4.54	4.75	5.58
1931	3.94	3.53	3.84	3.95	3.44	3.15	3.07	2.80	2.80	3.28	3.52	3.17	3.37
1932	2.87	2.82	2.67	2.44	2.31	1.90	2.47	3.10	3.14	2.76	2.55	2.28	2.71
1933	2.35	2.28	2.40	2.54	3.05	3.35	3.60	3.44	3.12	3.02	2.92	2.82	3.00
1934	2.73	2.02	3.06	3.17	3.49	3.34	3.78	4.35	4.65	4.74	4.50	4.73	3.79
1935	5.79	6.22	6.61	6.36	6.74	6.36	5.65	5.88	6.23	6.62	6.18	6.00	6.22
1936	5.74	5.62	5.02	4.81	4.00	4.07	5.64	6.03	6.71				

Compiled from the National Provisioner. Average of weekly quotations during the month.

TABLE 152.—Tallow, edible: Average wholesale price per pound, Chicago, by months, 1910-36

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Average
	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>
1910	9.44	9.31	9.85	9.81	9.44	9.03	8.28	8.45	8.67	8.82	8.05	7.88	8.98
1911	7.88	7.56	7.13	6.47	6.48	6.35	6.52	6.99	7.56	7.38	7.43	7.00	7.06
1912	7.10	6.95	7.18	8.00	8.32	7.94	7.84	8.32	8.52	8.70	8.25	8.03	7.93
1913	7.38	7.56	7.75	8.07	8.06	7.72	8.12	8.60	8.12	7.98	8.05	7.65	7.93
1914	7.60	7.80	7.68	7.38	7.30	7.09	6.98	7.08	7.65	7.12	7.32	7.23	7.34
1915	7.34	7.75	7.44	7.36	7.24	6.92	6.88	6.88	7.17	8.35	8.78	9.16	7.61
1916	9.34	9.54	10.04	10.84	11.47	10.33	9.71	9.17	10.49	11.33	12.23	12.59	10.59
1917	12.33	12.70	13.38	15.47	18.67	18.50	17.15	17.43	18.25	18.28	18.25	18.28	16.58
1918	18.00	17.97	17.81	17.94	17.85	17.75	18.40	19.38	20.12	20.83	19.75	15.94	18.48
1919	12.78	11.88	12.75	19.15	25.19	24.06	25.20	21.31	18.03	19.28	18.44	17.80	18.82
1920	19.12	17.22	16.88	16.19	16.09	12.88	12.78	13.18	14.20	12.53	10.09	7.55	13.68
1921	7.41	6.97	6.32	6.00	6.50	5.92	6.03	7.35	8.25	7.94	7.28	7.00	6.96
1922	7.38	7.08	8.08	7.18	7.28	7.82	7.75	7.98	7.47	7.94	8.62	8.53	7.81
1923	9.44	9.23	9.88	10.18	9.09	8.03	7.68	7.95	9.31	9.72	9.66	9.25	9.11
1924	9.18	8.04	8.69	8.32	8.32	8.18	9.98	11.53	9.81	9.88	10.09	10.58	9.46
1925	10.76	9.50	10.32	9.76	9.44	10.00	10.68	11.16	10.55	10.56	10.25	10.32	10.28
1926	10.50	10.32	10.02	9.18	9.68	10.92	10.50	9.56	9.32	8.53	8.00	7.78	9.53
1927	7.87	8.38	8.72	8.00	8.12	8.38	8.17	8.65	9.88	10.56	10.07	9.32	8.84
1928	9.50	9.20	9.28	9.65	9.52	9.00	8.81	8.94	9.69	9.62	9.68	9.75	9.39
1929	9.67	9.82	9.39	8.88	8.65	8.30	8.35	8.62	9.03	9.25	8.88	8.40	8.93
1930	8.08	7.75	7.28	7.35	6.62	6.28	6.37	6.38	6.38	6.33	6.12	6.20	6.76
1931	5.19	4.53	6.18	5.37	4.62	4.31	4.38	4.22	4.12	4.50	4.82	4.40	4.04
1932	4.06	3.72	3.42	3.25	2.98	2.77	3.38	4.05	4.06	3.70	3.57	3.06	3.50
1933	3.10	2.91	3.16	3.22	4.34	4.41	4.48	3.91	3.64	3.59	3.76	3.62	3.08
1934	3.40	3.52	3.65	3.74	3.98	4.00	4.41	5.50	6.82	6.70	6.76	7.16	4.98
1935	7.85	8.62	8.68	7.02	7.70	7.97	7.64	9.39	9.31	9.47	9.59	9.00	8.50
1936	7.94	7.25	6.61	6.95	6.02	6.08	7.76	8.88	9.02				

Compiled from the National Provisioner. Average of weekly quotations during the month.

MARINE ANIMAL OILS

TABLE 153.—Cod oil, Newfoundland tanked: Average price per pound, in barrels, New York, by months, 1912-36

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Average
	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>
1912	7.5	7.5	7.5	7.5	7.2	7.1	6.7	5.9	5.6	5.7	5.7	5.9	6.7
1913	6.0	6.0	5.6	5.6	5.6	5.3	5.3	5.3	5.5	5.5	5.5	5.3	5.5
1914	5.2	5.2	5.2	5.2	5.1	5.1	4.8	5.0	4.7	4.6	4.7	4.8	5.0
1915	4.9	5.1	5.7	5.9	6.1	6.5	6.5	6.2	6.0	6.4	7.3	8.1	6.2
1916	8.4	8.3	8.3	8.3	8.3	8.0	7.9	8.0	8.6	9.6	10.3	10.5	8.7
1917	10.8	10.7	10.5	10.7	11.0	11.6	11.9	11.7	11.9	12.3	13.1	13.3	11.6
1918	13.7	14.3	15.5	16.6	17.0	17.1	17.1	18.1	19.2	21.0	21.0	20.4	17.6
1919	19.3	18.3	15.7	14.3	12.3	13.9	15.5	15.1	15.4	15.7	15.5	15.1	15.3
1920	15.3	15.6	15.9	15.9	16.9	16.0	15.6	13.3	13.7	11.7	10.5	8.3	14.1
1921	7.7	6.5	7.3	7.2	6.0	6.3	6.0	6.0	5.8	5.6	5.7	5.9	6.3
1922	6.1	6.3	7.0	8.0	7.6	7.6	7.5	7.3	7.3	7.3	7.5	7.9	7.3
1923	8.3	8.7	9.3	9.5	9.5	9.5	8.9	8.2	8.1	8.8	9.1	9.1	8.9
1924	9.1	9.1	8.7	8.4	8.4	8.3	7.9	8.3	8.0	8.1	8.3	8.3	8.4
1925	8.3	8.3	8.4	8.4	8.4	8.4	8.4	8.3	8.3	8.4	8.6	8.7	8.4
1926	8.7	8.7	8.7	8.0	8.0	8.0	8.0	8.0	8.3	8.5	8.3	8.2	8.3
1927	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4
1928	8.4	8.4	8.0	9.0	9.1	9.1	9.1	9.1	8.9	8.8	8.8	8.7	8.9
1929	8.7	8.7	8.6	8.4	8.4	8.4	8.3	8.3	8.2	7.9	7.9	7.9	8.3
1930	7.7	7.6	7.3	7.3	7.6	7.9	7.2	7.2	6.9	6.7	6.4	6.3	7.2
1931	6.0	5.9	5.7	5.3	5.3	5.3	5.3	4.8	4.7	4.3	3.6	3.6	5.0
1932	3.5	3.5	3.5	3.5	3.2	2.9	3.1	3.3	3.2	3.2	3.2	3.2	3.3
1933	2.8	2.7	2.8	2.9	3.1	3.3	3.5	3.7	4.1	4.7	4.5	4.5	3.6
1934	4.9	5.3	5.3	5.6	6.4	6.4	5.9	5.3	5.2	5.1	5.1	5.1	5.5
1935	4.9	4.8	4.7	4.7	4.6	4.7	4.7	4.7	4.6	4.6	4.7	4.7	4.7
1936	5.0	5.3	5.3	5.3	5.3	5.3	5.5						

Compiled from the Oil, Paint, and Drug Reporter. Average of monthly range, 1912-29; beginning 1930, average of quotations for Saturdays during the month. Quoted in gallons and converted to pound price on basis of 7.5 pounds to gallon. Tanked oil is oil that has stood in large tanks to settle the sediment. The clear oil may then be drawn off and barreled.

TABLE 154.—Herring oil: Average price per pound, sellers' tanks, f. o. b. Pacific coast, by months, 1918-36

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Average ¹
	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>
1918	10.7						13.3	14.5	14.5	15.7	15.7	15.5	14.3
1919	14.8	14.7	14.7	10.7	8.0	10.7	13.2	15.0	14.2	13.3	13.3	12.5	12.9
1920	12.3	12.1	12.0	12.0	12.0	11.0	10.0	8.7	7.7	7.0	6.0	5.3	9.7
1921	4.3	4.3	3.2	2.8	2.7	2.7	2.7	2.9	3.1	3.3	3.3	3.7	3.2
1922	4.1	4.3	4.7	4.7	4.7	4.3	4.3	4.3	4.4	4.5	5.1	5.2	4.6
1923	5.5	5.6	5.6	6.7	6.3	6.0	5.5	4.7	5.0	5.3	5.3	6.0	5.6
1924	6.7	6.7	6.7	6.7	6.7	6.0	5.3	5.3	5.3	5.3	5.3	5.3	5.9
1925	5.3	5.3	5.3	5.7	6.0	6.0	6.0	6.0	6.0	6.3	6.7	6.7	5.9
1926	6.7	6.7	6.7	6.5	6.3	6.3	6.3	6.3	6.1	6.0	5.8	5.6	6.3
1927	5.6	5.6	5.6	5.6	5.6	5.6	5.7	5.7	5.7	5.5	5.3	5.3	5.6
1928	5.3	5.3	5.3	6.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3
1929	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	(?)	(?)	(?)	5.3
1930	(?)	(?)	(?)	(?)	(?)	(?)	(?)	(?)	(?)	3.7	3.2	2.7	3.1
1931	3.1	3.1	3.5	4.0	3.3	3.3	2.7	2.6	2.5	2.4	2.4	2.5	3.0
1932 ²	2.5	2.4	2.4	2.7	2.5	2.2	1.8	1.7	1.6	2.0	1.8	1.6	2.1
1933 ³	1.3	1.4	1.6	1.7	2.2	2.4	2.7	2.9	2.9	2.7	2.4	2.3	2.2
1934 ³	2.1	2.0	2.0	2.0		2.3	2.3	2.3	2.3	2.3	2.8	3.1	2.3
1935 ³	3.1	3.8			4.3	4.3	4.0	4.0	4.3	4.4	4.4	4.4	4.1
1936	4.4						3.3	4.1	4.1				

¹ Based on months shown.

² Nominal.

³ Nominal, March 1932-June 1935.

Compiled from the Oil, Paint, and Drug Reporter. Average of monthly range, 1918-29; beginning 1930, average of quotations for Saturdays during the month. Quoted in gallons and converted to pound price on basis of 7.5 pounds to gallon.

TABLE 155.—Menhaden oil, crude: Average price per pound, f. o. b. Baltimore, by months, 1917-36

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Average ¹
	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>
1917	9.2	9.0	9.2	9.7	9.7	9.7	9.9	9.3	10.7	11.3	11.3	11.7	10.1
1918	13.0	12.7	13.8	13.5	13.1	14.0	15.7	14.7	16.5	15.7	15.3	14.3	14.4
1919	14.0	12.0	10.3	8.5	9.2	11.7	14.7	14.8	13.4	12.7	12.3	12.3	12.2
1920	12.3	13.0	13.0	12.3	11.3	10.0	9.0	8.3	7.7	6.3	5.4	4.3	9.4
1921	4.3	4.0	4.1	3.7	3.7	4.0	3.9	3.6	4.3	4.1	4.3	4.5	4.0
1922	4.9	5.3	5.3	5.3	5.0	4.7	6.1	5.4	5.3	5.1	6.5	6.3	5.4
1923	6.5	6.7	6.9	---	---	6.7	6.0	5.3	6.0	6.3	6.7	6.5	6.4
1924	6.3	6.3	7.2	6.3	6.3	5.8	5.7	6.7	6.7	6.8	7.4	7.5	6.6
1925	7.3	7.3	7.3	7.3	---	---	7.0	6.8	6.8	7.2	6.9	7.0	7.1
1926	7.0	7.0	7.0	---	---	6.3	6.3	6.3	6.2	6.0	6.0	5.7	6.4
1927	5.3	5.9	6.4	6.4	6.4	6.4	6.1	5.7	6.0	5.9	5.9	5.6	6.0
1928	5.3	5.3	5.3	5.3	5.5	5.7	5.8	5.5	5.3	6.0	6.6	---	5.6
1929	6.4	---	---	---	---	---	5.7	6.3	6.3	6.7	6.0	6.0	6.2
1930	6.0	6.0	6.0	6.0	6.0	6.0	3.8	3.7	3.6	2.8	2.9	2.9	4.6
1931	3.0	3.3	3.3	2.7	2.7	2.6	2.5	2.5	2.2	2.0	2.6	2.7	2.7
1932	2.7	2.7	2.7	2.2	2.1	2.0	1.6	1.6	1.5	1.4	1.3	1.3	1.9
1933 ²	1.3	1.2	1.3	1.4	1.7	2.0	2.2	2.3	2.3	2.0	2.0	2.2	1.8
1934	2.1	2.1	2.2	2.6	2.7	2.8	2.4	2.6	3.0	3.0	3.0	3.2	2.6
1935 ²	3.3	3.7	4.5	4.0	3.9	4.0	3.7	3.7	3.7	4.0	4.4	4.7	4.0
1936	4.8	4.8	4.6	4.5	4.3	4.3	3.7	3.6	3.6	---	---	---	---

¹ Based on months shown.² Nominal.

Compiled from the Oil, Paint, and Drug Reporter. Average of monthly range, 1917-29; beginning 1930, average of quotations for Saturdays during the month. Beginning 1925, quotations are in tanks, prior to that date in barrels. Quoted in gallons and converted to pound price on basis of 7.5 pounds to gallon.

TABLE 156.—Menhaden oil, light, refined: Average price per pound, in barrels, New York, by months, 1912-36

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Average
	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>
1912	5.9	5.7	5.5	5.3	5.1	4.9	4.5	4.2	4.1	4.3	4.3	4.4	4.9
1913	4.3	4.3	4.4	4.4	4.3	4.1	4.2	4.3	4.8	5.0	5.2	5.2	4.6
1914	5.3	5.2	5.2	5.1	5.1	5.1	4.9	5.0	4.9	4.9	4.9	5.1	5.1
1915	5.1	5.2	5.3	5.5	5.3	5.1	5.2	5.2	5.5	5.7	6.3	6.6	5.5
1916	7.1	7.3	7.5	7.6	8.1	7.9	7.6	7.6	7.7	8.3	9.3	10.2	8.0
1917	10.5	10.3	10.4	10.6	11.1	11.7	12.0	11.5	11.7	12.6	12.7	12.9	11.5
1918	13.4	14.1	14.9	15.6	15.5	16.1	16.8	17.8	18.7	19.1	18.1	17.5	16.5
1919	15.7	14.3	14.3	12.0	11.3	14.2	17.1	17.7	17.1	16.4	16.3	16.5	15.2
1920	15.7	15.5	15.6	15.8	15.7	14.6	13.0	12.2	7.1	11.3	9.7	7.1	12.8
1921	6.9	6.3	6.5	6.2	5.5	5.9	6.0	5.9	5.7	5.7	6.0	6.0	6.0
1922	6.6	7.1	8.1	7.6	7.3	7.2	7.2	7.2	7.2	7.6	8.8	9.2	7.6
1923	8.7	9.2	9.9	10.2	10.7	10.7	9.9	8.7	8.5	8.7	8.7	8.7	9.4
1924	8.5	8.3	8.1	8.0	7.7	7.7	7.2	8.3	8.6	8.7	9.1	9.3	8.3
1925	9.3	10.0	10.4	10.4	10.4	10.4	10.3	10.1	9.7	9.3	9.1	9.3	9.9
1926	9.3	9.3	9.0	9.0	8.7	8.7	8.7	8.7	8.7	8.2	7.7	7.7	8.6
1927	7.7	7.8	8.0	8.0	8.0	8.0	8.0	7.7	8.0	8.0	8.0	8.0	7.9
1928	8.0	8.0	8.0	8.0	8.0	8.3	8.3	8.0	8.0	8.0	8.3	8.3	8.1
1929	9.3	9.6	9.6	9.6	9.6	9.6	9.6	9.1	9.1	8.9	8.9	8.9	9.3
1930	8.9	8.3	7.9	7.9	7.9	7.9	6.9	6.4	6.4	6.4	5.7	5.2	7.2
1931	4.8	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.5	4.5	4.5	4.5	4.6
1932	4.5	4.5	4.5	4.5	4.1	4.1	4.1	4.1	4.0	3.0	3.7	3.7	4.1
1933	3.7	3.7	4.0	4.2	4.6	5.2	5.5	5.6	5.6	5.6	5.6	5.6	4.9
1934	5.5	5.4	5.4	5.4	5.3	5.1	5.1	5.2	5.7	5.5	5.1	5.3	5.3
1935	5.7	6.1	6.8	6.9	6.8	6.7	6.6	6.5	6.6	7.0	7.2	7.2	6.7
1936	7.2	7.0	6.8	6.3	6.1	6.3	6.8	6.9	6.8	---	---	---	---

Compiled from the Oil, Paint, and Drug Reporter. Average of monthly range, 1912-29; beginning 1930, average of quotations for Saturdays during the month. Reported as light, pressed menhaden oil which is a refined product, light in color.

TABLE 157.—*Sardine oil, crude: Average price per pound, in tanks, Pacific coast, by months, 1922-36*

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Average
	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>
1922.....	4.1	4.5	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	5.2	5.5	4.7
1923.....	5.5	6.0	6.0	6.1	6.1	6.1	5.6	5.1	5.1	5.1	5.1	5.1	5.6
1924.....	6.0	6.0	6.0	6.0	6.0	5.3	5.3	6.0	6.0	6.0	6.0	6.0	5.9
1925.....	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	7.3	7.3	7.3	6.3
1926.....	7.3	7.3	6.9	6.7	6.7	6.7	6.5	6.5	6.5	6.5	5.6	5.6	6.6
1927.....	5.6	5.6	5.6	5.3	5.3	6.0	6.0	5.7	5.7	5.7	5.3	5.3	5.6
1928.....	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	6.0	6.0	5.4
1929.....	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.4	6.4	6.4	6.1
1930.....	5.8	5.7	5.7	4.7	4.7	4.7	4.7	3.9	3.7	3.2	2.6	3.3	4.4
1931.....	3.4	3.5	3.7	3.7	3.7	3.4	2.7	2.8	2.5	2.3	2.5	2.2	3.0
1932.....	2.1	2.0	2.1	2.7	2.3	1.9	1.9	1.9	1.5	1.7	1.4	1.3	1.9
1933.....	1.2	1.3	1.8	1.8	2.2	2.7	3.0	3.2	2.9	2.3	2.3	2.2	2.2
1934.....	2.0	2.0	2.2	2.8	3.1	2.9	2.5	2.7	3.3	3.2	3.0	3.1	2.7
1935.....	3.6	4.3	5.0	4.8	4.9	4.6	4.1	4.3	4.4	5.0	5.1	4.9	4.6
1936.....	4.9	5.0	4.4	4.2	4.0	3.7	4.0	4.2	4.4	-----	-----	-----	-----

¹ Nominal.

Compiled from the Oil, Paint, and Drug Reporter. Average of quotations for Saturdays during the month. Quoted in gallons and converted to pound price on basis of 7.5 pounds to gallon.

TABLE 158.—*Whale oil, refined, bleached winter: Average price per pound, in barrels, New York, by months, 1915-36*

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Average ¹
	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>
1915.....	6.4	6.4	6.4	6.3	6.1	6.4	6.4	6.5	6.7	6.7	6.8	6.9	6.5
1916.....	7.3	7.7	7.9	7.9	8.0	8.1	8.3	8.3	8.4	8.8	9.6	10.3	8.4
1917.....	10.5	10.6	10.7	10.7	11.3	12.1	12.6	12.7	13.0	14.8	15.3	16.3	12.6
1918.....	16.1	16.1	-----	17.3	17.3	17.3	17.3	20.4	20.4	20.4	20.4	20.2	18.5
1919.....	20.0	17.3	17.3	15.0	14.5	16.0	16.7	17.5	17.5	17.8	18.0	17.1	17.1
1920.....	16.7	17.3	17.6	17.8	17.6	17.8	17.5	16.9	16.9	15.5	14.7	13.3	16.6
1921.....	12.9	11.1	11.1	9.9	9.5	9.1	9.3	8.9	8.7	9.0	9.3	9.3	9.8
1922.....	9.3	9.3	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	9.9
1923.....	10.0	10.0	10.0	10.1	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.3
1924.....	10.4	10.4	10.4	10.4	10.4	10.3	10.2	10.1	10.1	10.0	10.4	10.0	10.3
1925.....	10.0	10.0	10.8	10.8	10.8	10.8	10.6	10.3	10.3	10.3	10.5	10.7	10.5
1926.....	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7
1927.....	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7
1928.....	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7
1929.....	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7
1930.....	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.7	10.4	10.1	10.6
1931.....	10.1	10.1	10.1	9.9	9.5	9.5	9.5	9.5	9.1	8.1	7.7	7.6	9.2
1932.....	7.6	7.6	7.6	7.6	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.3
1933.....	7.3	7.3	6.8	6.3	6.4	7.1	7.3	7.3	7.3	7.3	7.3	7.3	7.1
1934.....	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.7	7.3
1935.....	7.9	7.9	8.1	8.2	8.2	8.2	7.9	7.8	7.8	8.0	8.0	8.0	8.0
1936.....	8.0	7.9	7.8	7.8	8.0	7.6	7.6	7.5	7.4	-----	-----	-----	-----

¹ Based on months shown.

Compiled from the Oil, Paint, and Drug Reporter. Average of monthly range, 1915-28; beginning 1929, average of quotations for Saturdays during the month. Price does not include 1934 excise tax.

TABLE 159.—*Whale oil, crude: Import price per pound, United States, by months, 1931-36*

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Average
	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>
1931.....	5.6	5.2	5.5	5.5	5.5	5.3	5.2	4.7	5.2	4.0	4.1	4.5	5.5
1932.....	4.4	4.1	3.9	5.3	4.2	4.5	4.2	3.9	4.1	3.8	4.1	3.9	4.1
1933.....	3.4	3.9	4.3	3.8	4.7	4.4	2.5	2.5	2.6	5.7	4.5	5.2	2.9
1934.....	3.3	5.2	5.4	4.6	5.6	5.4	4.4	3.9	3.3	4.4	3.8	3.2	5.0
1935.....	2.6	4.7	3.1	3.4	4.2	3.0	2.8	4.3	2.9	2.8	3.0	2.9	3.0
1936.....	4.0	3.1	2.9	2.9	2.8	2.7	3.2	3.9	-----	-----	-----	-----	-----

¹ Beginning January 1934, imports for consumption.

Based on quantity and value of imports compiled from Monthly Summary of Foreign Commerce of the United States. Price does not include 1934 excise tax.

TABLE 160.—Whale oil, crude No. 1: Average price per pound, sellers' tanks, f. o. b. Pacific coast, by months, 1918-34

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Average ¹
	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>
1918	13.7	13.1	13.1	15.7	17.3	17.3	13.0	18.0	18.0	18.0	15.5	14.7	16.5
1919	13.7	13.1	13.1	10.5	12.0	13.0		10.6	16.7	14.9	14.7	14.4	13.8
1920	14.0	14.0	14.0	14.0			13.2	11.7	12.0	10.9	6.2	5.5	11.6
1921	5.0	5.0	5.0	5.0	5.0	4.7	4.0	4.0	4.3	5.0	5.0	5.0	4.8
1922	5.1	5.1	5.1	5.1	5.1	5.1	5.5	6.0	6.0	6.0	6.0	6.0	5.5
1923	6.5	6.9	7.3	7.3	7.0	6.4	6.2	6.0	6.0	6.0	6.0	6.0	6.5
1924	6.6	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2
1925	7.2	7.2	7.2	7.4	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2
1926	7.2	7.2	7.2	7.2	7.2	8.0	8.0	8.0	8.0	8.0	8.0	8.0	7.7
1927	8.0	8.0	8.0	8.0	7.5	7.5	7.4	7.2	7.2	7.2	7.2	7.2	7.5
1928	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2
1929	7.2	7.2	7.2	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
1930 ²	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	6.0	5.8	5.5	6.8
1931 ²	5.5	5.5	5.5	5.4	5.0	5.0	5.0	4.9	4.5	4.5	4.1	4.0	4.9
1932 ²	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
1933 ²	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
1934 ²	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0

¹ Based on months shown.² Reported as nominal.

Compiled from the Oil, Paint, and Drug Reporter. Average of monthly range, 1918-29; beginning 1930, average of quotations for Saturdays during the month. Not quoted since December 1934. The trade reports no open market for crude whale oil, so quotations are largely nominal. A whaling vessel usually sells its cargo of crude oil to a large soap maker.

GROUP PRICES

TABLE 161.—Price per pound of butter and lard, and specified animal fats used in foods and food products, 1931-36

Year and month	Butter, 92 score, New York	Lard, refined, tubs, Chicago	Neutral lard, tierces, Chicago	Oleo oil, no. 1, tierces, New York	Oleo-stearine, barrels, New York	Tallow, edible, Chicago	Whale oil, refined, bleached, barrels, New York
1931							
	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>
January	28.5	9.6	9.9	8.3	8.0	5.2	10.1
February	28.4	8.9	9.2	7.4	7.5	4.5	10.1
March	28.9	10.0	10.1	7.5	8.3	5.2	10.1
April	26.1	10.0	9.6	7.6	8.5	5.4	9.9
May	23.7	9.5	8.7	7.4	7.3	4.6	9.5
June	23.3	9.5	8.9	7.2	6.7	4.3	9.5
July	25.0	8.0	9.0	6.6	8.0	4.4	9.5
August	28.1	8.3	8.8	6.6	8.6	4.2	9.5
September	32.5	9.0	9.9	6.6	7.8	4.1	9.1
October	33.8	8.6	10.3	6.6	6.9	4.5	8.1
November	30.9	8.5	9.1	7.2	6.8	4.8	7.7
December	30.5	7.6	7.8	7.6	6.2	4.4	7.6
Average	28.3	9.0	9.3	7.2	7.0	4.6	9.2
1932							
January	23.6	6.5	7.1	7.2	5.2	4.1	7.6
February	22.5	6.5	6.1	6.7	4.8	3.7	7.6
March	22.6	6.7	6.4	6.6	4.8	3.4	7.6
April	20.1	6.0	6.0	6.2	4.0	3.2	7.6
May	18.8	5.5	6.5	6.1	4.3	3.0	7.2
June	17.0	5.3	6.7	6.0	3.9	2.8	7.2
July	18.2	7.0	6.0	5.7	5.1	3.4	7.2
August	20.3	7.0	7.0	5.7	6.4	4.0	7.2
September	20.8	6.8	6.8	6.1	6.8	4.1	7.2
October	20.7	6.2	6.5	6.2	6.1	3.7	7.2
November	23.3	6.2	6.4	6.4	5.4	3.6	7.2
December	24.1	5.3	6.1	6.2	4.4	3.1	7.2
Average	21.0	6.2	6.4	6.3	5.2	3.5	7.3

TABLE 161.—Price per pound of butter and lard, and specified animal fats used in foods and food products, 1931-36—Continued

Year and month	Butter, 92 score, New York	Lard, refined, tubs, Chicago	Neutral lard, tierces, Chicago	Oleo oil, no. 1, tierces, New York	Oleo- stearine, barrels, New York	Tallow, edible, Chicago	Whale oil, refined, bleached, barrels, New York
1933							
January.....	Cents 19.8	Cents 5.7	Cents 5.8	Cents 6.0	Cents 3.9	Cents 3.1	Cents 7.3
February.....	18.6	5.0	5.8	5.7	3.7	2.9	7.3
March.....	18.2	5.5	5.8	6.0	4.1	3.2	6.8
April.....	20.7	6.1	6.3	6.2	4.2	3.2	6.3
May.....	22.5	7.2	7.9	6.6	5.4	4.3	6.4
June.....	22.8	7.0	7.4	6.6	5.6	4.4	7.1
July.....	24.5	7.5	7.8	6.6	6.0	4.5	7.3
August.....	21.3	6.6	7.2	6.8	6.1	3.9	7.3
September.....	23.6	6.3	7.0	6.6	5.2	3.6	7.3
October.....	24.0	6.7	7.3	6.2	5.2	3.6	7.3
November.....	23.6	7.0	7.4	6.2	5.3	3.8	7.3
December.....	20.1	6.2	6.7	6.4	5.4	3.6	7.3
Average.....	21.6	6.4	6.9	6.4	5.0	3.7	7.1
1934							
January.....	19.8	6.3	6.4	6.5	5.1	3.5	7.3
February.....	25.4	7.1	7.9	6.1	5.3	3.5	7.3
March.....	25.4	7.0	8.0	6.1	5.8	3.6	7.3
April.....	23.7	7.5	7.6	6.1	5.8	3.7	7.3
May.....	24.5	7.0	7.4	5.8	5.4	4.0	7.3
June.....	24.0	7.3	8.0	6.0	5.4	4.0	7.3
July.....	24.5	7.6	8.4	6.5	6.3	4.4	7.3
August.....	27.4	9.5	10.2	7.4	6.9	5.5	7.3
September.....	25.8	11.2	12.2	10.7	9.7	6.6	7.3
October.....	26.0	10.9	11.9	11.5	10.0	6.7	7.3
November.....	29.4	11.8	12.5	11.3	8.6	6.8	7.3
December.....	31.0	12.0	13.3	10.5	9.0	7.2	7.7
Average.....	25.7	8.8	9.5	7.9	6.9	5.0	7.3
1935							
January.....	34.2	13.8	14.5	10.4	9.6	7.8	7.9
February.....	36.2	14.4	15.1	12.4	11.1	8.6	7.9
March.....	31.7	14.7	16.1	14.5	12.3	8.7	8.1
April.....	34.5	14.7	15.2	13.5	10.9	7.6	8.2
May.....	27.3	14.6	15.7	13.0	9.8	7.7	8.2
June.....	24.3	15.2	16.0	12.8	9.5	8.0	8.2
July.....	23.9	15.6	16.9	12.1	9.2	7.5	7.9
August.....	25.0	16.8	18.8	12.2	10.3	9.4	7.8
September.....	26.2	17.0	18.3	13.0	11.8	9.3	7.8
October.....	28.1	16.0	16.6	13.4	11.9	9.5	8.0
November.....	32.3	14.4	14.9	13.8	11.8	9.6	8.0
December.....	34.0	13.6	13.7	13.9	10.6	9.0	8.0
Average.....	29.8	15.1	16.1	12.9	10.8	8.6	8.0
1936							
January.....	34.6	12.2	12.4	13.4	9.5	7.9	8.0
February.....	36.9	12.1	12.4	12.4	8.6	7.2	7.9
March.....	32.2	11.9	12.6	11.5	7.9	6.6	7.8
April.....	31.0	11.9	12.7	11.0	8.1	7.0	7.8
May.....	27.5	11.1	11.8	10.1	7.6	6.0	8.0
June.....	29.7	11.3	11.6	9.2	7.3	6.1	7.6
July.....	33.6	12.1	12.7	9.4	9.0	7.8	7.6
August.....	35.6	12.8	13.5	10.2	10.2	8.9	7.5
September.....	35.0	12.5	13.9	11.1	10.2	9.0	7.4
October.....	32.9	12.4	13.2	11.5	9.8	8.6	-----

Compiled as follows: Butter and lard, Bureau of Agricultural Economics; neutral lard and tallow, National Provisioner. Average of weekly quotations during the month. All other prices from the Oil, Paint, and Drug Reporter. Average of quotations for Saturdays during the month.

TABLE 162.—Price per pound of specified drying oils, by months, 1931-36

Year and month	Linseed oil, raw, tanks, Minneapolis	Soybean oil, crude, tanks, f. o. b. mills	Men-haden oil, crude, tanks, f. o. b. Baltimore	Sardine oil, tanks, Pacific coast	Tung oil, drums, New York ¹	Perilla oil, drums, New York	Hemp-seed oil, crude, drums, New York
	Cents	Cents	Cents	Cents	Cents	Cents	Cents
1931							
January.....	7.9	6.4	3.0	3.4	7.8	10.0	10.0
February.....	8.2	6.0	3.3	3.5	7.3	10.0	10.0
March.....	8.6	5.7	3.3	3.7	7.1	9.2	9.2
April.....	8.4	5.8	2.7	3.7	7.1	8.0	8.0
May.....	8.3	6.2	2.7	3.7	7.1	7.8	7.8
June.....	8.1	5.7	2.6	3.4	7.0	7.5	7.5
July.....	8.8	6.1	2.5	2.7	7.6	7.9	7.9
August.....	7.9	6.0	2.5	2.8	7.4	7.9	7.9
September.....	7.1	6.3	2.2	2.5	7.5	7.9	7.9
October.....	6.6	6.1	2.0	2.3	7.4	7.4	7.4
November.....	7.1	4.4	2.6	2.5	8.4	6.9	6.9
December.....	6.4	3.8	2.7	2.2	7.3	6.8	6.8
Average.....	7.8	5.5	2.7	3.0	7.4	8.1	8.1
1932							
January.....	6.2	3.3	2.7	2.1	7.0	6.2	6.2
February.....	6.1	3.2	2.7	2.0	7.9	6.1	6.1
March.....	6.2	3.1	2.7	2.1	7.2	5.7	5.7
April.....	6.1	3.0	2.2	2.7	6.0	4.7	4.7
May.....	5.8	3.0	2.1	2.3	5.8	4.2	4.2
June.....	5.5	3.0	2.0	1.9	6.0	4.1	4.1
July.....	4.9	3.1	1.6	1.9	5.7	4.3	4.3
August.....	4.7	3.1	1.6	1.9	6.2	4.5	4.5
September.....	5.2	3.2	1.5	1.5	6.1	4.7	4.7
October.....	5.5	3.4	1.4	1.7	6.0	4.8	4.8
November.....	5.9	2.9	1.3	1.4	6.0	4.5	4.5
December.....	6.0	3.0	1.3	1.3	5.5	4.6	4.6
Average.....	5.7	3.1	1.9	1.9	6.3	4.9	4.9
1933							
January.....	6.6	3.0	1.3	1.2	5.3	5.3	5.3
February.....	6.4	3.2	1.2	1.3	5.1	5.1	5.1
March.....	6.6	3.5	1.3	1.8	5.4	5.0	5.0
April.....	6.9	3.4	1.4	1.8	5.3	5.3	5.3
May.....	8.2	4.5	1.7	2.2	6.1	6.9	6.9
June.....	8.8	6.1	2.0	2.7	7.1	8.1	8.1
July.....	10.3	7.4	2.2	3.0	8.7	10.2	10.2
August.....	10.0	8.0	2.3	3.2	8.1	10.0	10.0
September.....	10.0	6.8	2.3	2.9	7.8	9.9	9.9
October.....	9.4	6.0	2.0	2.3	7.6	9.5	9.5
November.....	9.2	6.2	2.0	2.3	8.0	9.2	9.2
December.....	9.1	6.2	2.2	2.2	7.6	9.1	9.1
Average.....	8.5	5.4	1.8	2.2	6.8	7.8	7.8
1934							
January.....	8.9	6.6	2.1	2.0	7.8	8.7	8.7
February.....	8.8	5.6	2.1	2.0	8.0	9.0	9.0
March.....	8.9	5.9	2.2	2.2	8.1	9.1	9.1
April.....	8.8	6.0	2.6	2.8	8.6	8.8	8.8
May.....	9.2	6.0	2.7	3.1	8.8	9.1	9.1
June.....	9.6	6.5	2.8	2.9	9.1	9.6	9.6
July.....	9.4	5.8	2.4	2.5	9.3	9.4	9.4
August.....	9.4	5.7	2.6	2.7	9.6	9.3	9.3
September.....	9.1	5.8	3.0	3.3	10.0	9.1	7.2
October.....	9.0	6.1	3.0	3.2	9.1	8.6	7.2
November.....	8.6	6.3	3.0	3.0	8.0	8.3	7.2
December.....	8.5	7.3	3.2	3.1	9.2	8.7	7.2
Average.....	9.0	6.0	2.6	2.7	8.9	9.0	9.0
1935							
January.....	8.4	7.8	3.3	3.6	9.7	8.7	7.7
February.....	8.7	8.1	3.7	4.2	10.0	8.5	8.1
March.....	9.0	9.1	4.5	5.0	14.2	8.4	8.1
April.....	9.1	8.4	4.0	4.8	14.2	7.9	8.1
May.....	9.2	8.8	3.9	4.9	17.5	8.0	8.1
June.....	9.1	8.6	4.0	4.6	17.4	8.2	8.1
July.....	9.0	7.8	3.7	4.1	15.1	7.7	8.1
August.....	8.2	7.1	3.7	4.3	16.3	7.3	8.1
September.....	8.2	7.7	3.7	4.4	20.3	8.3	8.1
October.....	9.0	8.1	4.0	5.0	20.9	9.7	8.6
November.....	9.0	8.1	4.4	5.0	18.2	8.5	8.6
December.....	9.3	8.1	4.7	5.0	15.2	7.5	8.6
Average.....	8.8	8.1	4.0	4.6	17.0	8.2	8.2

¹ Beginning June 1934, in drums; prior to that date in barrels.² Nominal.

TABLE 162.—Price per pound of specified drying oils, by months, 1931-36—Contd.

Year and month	Linseed oil, raw, tanks, Minneapolis	Soybean oil, crude, tanks, f. o. b. mills	Menhaden oil, crude, tanks, f. o. b. Baltimore	Sardine oil, tanks, Pacific coast	Tung oil, drums, New York ¹	Perilla oil, drums, New York	Hempseed oil, crude, drums, New York
1936							
January.....	Cents 9.5	Cents 7.6	Cents 4.8	Cents 4.9	Cents 14.1	Cents 7.4	Cents 8.5
February.....	9.4	7.2	4.8	5.0	15.0	7.2	8.4
March.....	9.3	6.8	4.6	4.4	16.9	7.3	8.4
April.....	9.2	6.8	4.5	4.2	19.2	7.4	8.4
May.....	9.0	6.3	4.3	4.0	18.7	7.4	8.4
June.....	9.0	6.0	4.3	3.7	18.7	8.5	8.4
July.....	9.8	7.9	3.7	4.0	18.9	9.7	8.6
August.....	10.1	8.0	3.6	4.2	16.5	9.8	9.5
September.....	9.9	8.2	3.6	4.4	14.4	9.9	9.6
October.....	9.7	8.0	3.7	4.6	13.5	9.8	9.6
November.....							
December.....							
Average.....							

¹ Beginning June 1934, in drums; prior to that date in barrels.

Compiled from the Oil, Paint, and Drug Reporter. Average of quotations for Saturdays during the month. The following excise taxes are not included: 4½ cents per pound on perilla oil and hempseed oil, effective beginning Aug. 21, 1936.

TABLE 163.—Price per pound of specified fats and oils used in soap and for special technical uses, 1931-36

Year and month	Tallow, inedible, Chicago	Coconut oil, crude, tanks, Pacific coast	Menhaden oil, crude, tanks, f. o. b. Baltimore	Grease, house, tierces, New York	Palm oil, crude, casks, New York ¹	Palm-kernel oil, denatured, barrels, New York	Olive oil foots, barrels, New York	Soybean oil, crude, tanks, f. o. b. mills	Rape oil, blown, barrels, New York	Castor oil, no. 3, barrels, New York	Cod oil, barrels, Newfoundland
1931											
January.....	Cents 3.9	Cents 4.8	Cents 3.0	Cents 3.7	Cents 5.2	Cents 6.2	Cents 6.5	Cents 6.4	Cents 10.1	Cents 11.2	Cents 6.0
February.....	3.5	4.5	3.3	3.0	5.1	6.1	6.2	6.0	9.6	11.2	5.9
March.....	3.8	4.5	3.3	3.2	5.1	6.1	6.2	5.7	9.6	11.2	5.7
April.....	4.0	4.6	2.7	3.4	5.1	6.2	6.0	5.8	9.6	11.2	5.3
May.....	3.4	4.2	2.7	3.2	4.8	5.8	5.9	6.2	9.5	11.2	5.3
June.....	3.2	3.8	2.6	2.5	4.7	5.0	5.7	5.7	9.5	11.2	5.3
July.....	3.1	4.0	2.5	2.4	4.9	5.0	5.5	6.1	9.5	11.2	5.3
August.....	2.8	3.6	2.5	2.4	4.9	5.1	4.0	6.0	9.5	11.2	4.8
September.....	2.8	3.3	2.2	2.2	4.6	5.2	4.9	5.3	9.5	11.2	4.7
October.....	3.3	3.2	2.0	2.7	4.1	5.4	4.8	5.1	9.2	11.1	3.6
November.....	3.5	3.5	2.6	3.0	4.3	5.4	4.8	4.4	9.2	11.1	3.6
December.....	3.2	3.4	2.7	2.9	4.4	5.5	4.6	3.8	9.2	10.8	3.6
Average.....	3.4	3.9	2.7	2.9	4.8	5.6	5.5	5.5	9.5	11.2	5.0
1932											
January.....	2.9	3.3	2.7	2.5	4.2	5.5	4.6	3.3	8.9	10.4	3.6
February.....	2.8	3.5	2.7	2.4	3.9	5.5	5.1	3.2	8.4	10.2	3.5
March.....	2.6	3.0	2.7	2.4	3.9	5.4	5.0	3.1	8.1	10.2	3.5
April.....	2.4	3.2	2.2	2.4	3.8	4.9	4.8	3.0	7.7	10.2	3.5
May.....	2.3	3.0	2.1	2.1	3.8	4.0	4.6	3.0	7.5	9.8	3.2
June.....	2.0	3.0	2.0	1.6	3.6	4.6	4.6	3.0	7.5	9.2	2.9
July.....	2.5	3.2	1.6	2.2	3.4	4.6	4.5	3.1	7.2	9.2	3.1
August.....	3.1	3.4	1.6	2.8	3.5	4.6	4.4	3.1	7.1	9.2	3.3
September.....	3.1	3.3	1.5	3.1	3.9	4.6	4.6	3.2	7.1	9.2	3.2
October.....	2.8	3.1	1.4	2.8	3.9	4.5	4.6	3.4	7.2	9.2	3.2
November.....	2.6	3.0	1.3	2.4	3.8	4.5	4.4	2.9	7.5	9.0	3.2
December.....	2.3	2.9	1.3	2.2	3.5	4.5	4.4	3.0	7.5	8.8	3.2
Average.....	2.7	3.2	1.9	2.4	3.8	4.8	4.6	3.1	7.6	9.6	3.3

See footnotes at end of table.

TABLE 163.—Price per pound of specified fats and oils used in soap and for special technical uses, 1931-36—Continued

Year and month	Tallow, inedible, Chicago	Coconut oil, crude, tanks, Pacific coast	Menhaden oil, crude, tanks, f. o. b., Baltimore	Grease, house, titerces, New York	Palm oil, crude, casks, New York ¹	Palm-kernel oil, denatured, barrels, New York	Olive oil, foots, barrels, New York	Soybean oil, crude, tanks, f. o. b., mills	Rape oil, blown, barrels, New York	Castor oil, no. 3, barrels, New York	Cod oil, barrels, Newfoundland
1933											
January	2.4	3.0	1.3	2.2	3.1	4.2	4.5	3.0	7.5	8.8	2.8
February	2.3	2.8	1.2	1.9	2.9	4.2	4.6	3.2	7.6	8.8	2.7
March	2.4	2.9	1.3	2.2	3.2	4.4	4.7	3.5	7.6	8.8	2.8
April	2.5	2.8	1.4	2.3	3.2	4.5	4.6	3.4	7.6	8.8	2.9
May	3.6	3.2	1.7	3.4	3.7	4.3	5.0	4.5	8.3	8.8	3.1
June	3.8	3.2	2.0	3.6	4.3	4.7	5.5	6.1	8.4	8.8	3.3
July	3.7	3.1	2.2	3.6	4.5	4.2	6.2	7.4	8.6	9.2	3.5
August	3.4	3.1	2.3	3.3	4.6	4.0	6.2	8.0	8.8	9.8	3.7
September	3.1	3.0	2.3	2.9	4.5	4.0	6.1	6.8	8.8	9.8	4.1
October	3.0	2.8	2.0	2.7	4.0	3.9	6.2	6.0	8.8	9.8	4.7
November	2.9	2.8	2.0	2.8	4.1	4.1	6.3	6.2	8.5	9.8	4.5
December	2.8	2.7	2.2	2.7	4.0	4.2	6.4	6.2	8.1	9.8	4.5
Average	3.0	3.0	1.8	2.8	3.8	4.3	5.5	5.4	8.2	9.2	3.6
1934											
January	2.7	2.6	2.1	2.7	3.9	4.2	6.5	5.6	8.1	9.8	4.9
February	2.9	2.6	2.1	2.9	3.7	4.2	6.6	5.6	8.1	9.8	5.3
March	3.1	2.5	2.2	3.2	3.8	4.2	6.7	5.9	8.1	9.8	5.3
April	3.2	2.4	2.6	3.2	3.9	3.9	6.9	6.0	8.1	9.8	5.6
May	3.5	2.4	2.7	3.4	3.4	3.5	7.2	6.0	8.1	9.8	6.4
June	3.3	2.3	2.8	3.4	3.2	3.4	7.2	5.5	8.1	9.8	6.4
July	3.8	2.2	2.4	3.7	3.1	3.2	7.2	5.8	8.1	9.8	5.9
August	4.4	2.4	2.6	4.1	3.2	3.2	7.3	5.7	8.1	9.8	5.3
September	4.6	2.6	3.0	4.6	3.4	3.2	7.3	5.8	8.1	9.8	5.2
October	4.7	3.0	3.0	4.9	3.4	2.8	7.3	6.1	8.1	9.8	5.1
November	4.6	2.9	3.0	4.6	3.3	2.8	7.3	6.3	8.1	9.8	5.1
December	4.7	3.3	3.2	4.8	3.4	3.0	7.2	7.3	8.1	9.8	5.1
Average	3.8	2.6	2.0	3.8	3.5	3.7	7.1	6.0	8.1	9.8	5.5
1935											
January	5.8	4.2	3.3	5.3	4.2	4.2	7.5	7.8	8.1	9.8	4.9
February	6.2	4.9	3.7	5.8	4.8	4.6	8.2	8.1	8.2	9.8	4.8
March	6.6	5.6	4.5	6.6	5.7	5.4	8.6	9.1	8.9	9.8	4.7
April	6.4	5.0	4.0	6.5	5.0	4.7	8.6	8.4	8.8	9.8	4.7
May	6.7	4.9	3.9	6.6	4.6	4.7	8.4	8.8	8.6	9.8	4.6
June	6.4	4.3	4.0	6.5	4.7	4.4	8.3	8.6	8.6	9.8	4.7
July	5.6	3.3	3.7	5.9	4.4	4.1	8.1	7.8	8.1	9.8	4.7
August	5.9	3.4	3.7	5.3	4.4	3.9	8.2	7.1	7.8	9.8	4.7
September	6.2	2.8	3.7	5.6	4.5	3.9	8.4	7.7	7.7	9.8	4.6
October	6.6	4.6	4.0	6.4	4.9	4.8	9.8	8.1	8.1	10.0	4.6
November	6.2	4.3	4.4	6.4	4.9	4.6	9.4	8.1	8.4	10.2	4.7
December	6.0	4.2	4.7	5.9	4.4	4.0	9.0	8.1	8.6	10.2	4.7
Average	6.2	4.4	4.0	6.1	4.7	4.5	8.6	8.1	8.3	9.8	4.7
1936											
January	5.7	4.6	4.8	5.7	4.6	4.6	8.7	7.6	8.7	10.2	5.0
February	5.6	4.5	4.8	5.0	4.9	4.8	8.4	7.2	8.7	10.2	5.3
March	5.0	4.2	4.6	4.5	4.7	4.7	8.2	6.8	8.7	10.2	5.3
April	4.8	4.2	4.5	4.8	4.6	4.9	8.1	6.8	8.7	10.2	5.3
May	4.0	3.8	4.3	3.8	4.4	4.0	8.1	6.3	8.7	10.2	5.3
June	4.7	3.9	4.3	4.3	4.2	4.9	8.2	6.0	9.0	10.2	5.3
July	5.6	4.3	3.7	5.3	4.4	4.2	8.2	7.9	11.5	10.2	5.5
August	6.0	4.6	3.6	5.4	4.7	4.8	9.0	8.0	11.6	10.2	5.7
September	6.7	5.5	3.6	6.1	5.0	5.0	9.3	8.2	11.6	10.2	5.7
October	6.5	6.2	3.7	6.5	4.9	5.4	9.3	8.0	11.6	10.2	6.1

¹ Beginning May 1934, quoted as Niger; previously Lagos.² Nominal quotations as follows: Palm-kernel oil, October 1932-September 1934; February, April-July, October-December 1935; and January-October 1936. Menhaden oil, January-December 1933 and 1935, and most of 1936. Coconut oil, October 1935. Cod oil, October 1935-October 1936.³ Beginning October 1934, reported as bulk shipments.⁴ Average, January-September.

Compiled from the Oil, Paint, and Drug Reporter. Average of quotations for Saturdays during the month, except tallow, inedible, which is from the National Provisioner, average of weekly quotations during the month. The following excise taxes levied on first domestic processing are not included: 8 cents per pound effective beginning May 10, 1934, on coconut oil, palm oil (other than that used by tin-plate industry) and palm-kernel oil; 4½ cents per pound effective beginning Aug. 21, 1936, on rape oil.

TABLE 164.—Price per pound of specified vegetable oils used in foods and food products, 1931-36

Year and month	Cottonseed oil, refined, barrels, f. o. b. Chicago	Peanut oil, domestic, refined, barrels, New York	Soybean oil, refined, drums, New York ¹	Cocunut oil, edible, tanks, New York ²	Sesame oil, refined, drums, New York	Rape oil, refined, barrels, New York	Sunflower oil, refined, drums, New York	Corn oil, refined, barrels, New York	Olive oil, edible, barrels, New York	Tea-seed oil, drums, New York
1931	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>
January.....	9.4	13.5	8.1	7.0	11.0	7.3	-----	10.4	25.1	-----
February.....	9.4	13.5	8.2	6.8	11.0	7.3	-----	10.4	25.1	-----
March.....	9.4	13.5	8.2	6.8	11.0	7.5	-----	10.3	25.1	-----
April.....	9.6	13.1	8.2	6.8	11.1	7.2	-----	10.1	23.7	-----
May.....	9.1	12.5	8.0	6.1	11.1	6.0	-----	9.5	23.7	-----
June.....	8.8	12.5	8.0	5.6	11.1	5.9	-----	9.2	23.7	-----
July.....	9.1	12.5	8.0	5.7	11.1	6.1	-----	9.4	23.7	-----
August.....	8.9	12.5	8.0	5.4	10.2	6.0	-----	9.3	23.7	-----
September.....	7.4	12.5	7.3	5.2	8.8	5.9	-----	8.7	23.7	-----
October.....	6.8	10.3	6.5	5.1	8.8	5.7	-----	7.0	23.7	-----
November.....	7.1	10.4	6.5	5.6	9.2	5.9	-----	7.0	20.0	-----
December.....	6.8	10.4	6.1	5.7	9.8	5.6	-----	6.6	19.5	-----
Average.....	8.5	12.3	7.6	6.0	10.4	6.4	-----	9.0	23.4	-----
1932										
January.....	6.5	10.4	5.6	5.1	9.6	5.3	-----	6.2	19.6	-----
February.....	6.5	10.4	5.2	5.2	9.2	5.3	-----	5.9	20.0	-----
March.....	6.5	10.4	5.2	5.4	9.2	5.3	-----	5.9	20.0	-----
April.....	6.1	10.4	5.2	5.3	9.2	5.1	-----	5.9	20.0	-----
May.....	5.9	9.6	5.0	4.7	9.2	4.7	-----	5.8	20.0	-----
June.....	6.0	9.6	4.6	4.8	9.1	4.1	-----	5.8	21.6	-----
July.....	6.3	9.6	4.6	4.9	8.8	4.0	-----	5.8	21.6	-----
August.....	6.6	10.3	4.6	5.4	8.8	4.3	-----	6.3	21.3	-----
September.....	6.9	10.5	4.6	5.3	9.8	4.8	-----	6.6	18.9	-----
October.....	6.8	10.4	4.8	5.2	9.8	4.8	-----	6.5	18.8	-----
November.....	6.4	9.5	4.6	5.1	9.8	4.4	-----	6.4	18.0	-----
December.....	6.2	9.5	4.6	4.6	9.8	4.3	-----	6.4	18.0	-----
Average.....	6.4	10.0	4.9	5.1	9.4	4.7	-----	6.1	19.8	-----
1933										
January.....	6.5	9.5	4.8	4.6	9.8	4.7	-----	6.4	18.0	-----
February.....	6.6	9.5	4.9	4.6	9.8	4.8	-----	6.4	18.0	-----
March.....	7.1	9.5	5.1	4.7	9.8	4.9	-----	6.6	18.0	-----
April.....	6.7	9.6	5.2	4.8	9.8	4.9	-----	6.6	18.0	-----
May.....	7.1	9.8	7.0	5.1	9.8	6.1	-----	7.2	20.0	-----
June.....	7.2	9.8	7.8	5.2	9.8	6.5	-----	7.5	21.1	-----
July.....	7.7	9.9	9.7	5.0	10.2	7.2	-----	8.1	21.6	-----
August.....	7.1	9.8	10.0	4.7	10.2	9.2	-----	8.1	22.3	-----
September.....	6.1	9.5	9.2	4.4	10.2	8.1	-----	6.9	22.4	-----
October.....	5.6	9.5	8.5	4.6	10.2	6.1	-----	6.5	22.4	-----
November.....	5.6	9.5	8.2	4.6	10.0	5.7	5.4	6.4	22.5	-----
December.....	5.4	9.2	7.9	4.6	9.2	5.7	5.7	6.2	22.9	-----
Average.....	6.6	9.6	7.4	4.8	9.9	6.2	-----	6.9	20.6	-----
1934										
January.....	5.5	9.0	7.6	4.6	9.2	5.6	-----	5.9	23.5	-----
February.....	6.6	9.1	7.9	4.4	8.5	5.7	-----	6.4	23.9	-----
March.....	6.6	9.2	8.2	4.4	8.2	5.9	5.2	6.9	24.3	-----
April.....	6.8	9.2	8.2	4.4	8.2	5.4	5.0	6.9	24.3	-----
May.....	6.6	9.2	8.2	4.2	8.5	5.2	5.1	6.7	24.3	-----
June.....	6.8	9.2	8.2	4.7	8.8	5.1	5.1	6.9	24.3	-----
July.....	6.9	9.2	8.2	4.8	9.4	5.0	-----	7.4	24.3	-----
August.....	7.1	9.2	8.2	4.8	9.1	5.2	-----	8.0	22.4	-----
September.....	7.8	9.8	8.2	5.1	8.7	5.2	-----	8.9	21.6	-----
October.....	9.6	10.1	8.2	5.6	8.2	5.6	-----	9.7	21.6	-----
November.....	10.2	11.0	8.4	5.4	8.6	5.4	8.4	10.4	21.6	-----
December.....	11.4	12.2	10.6	5.8	9.6	5.4	9.3	11.6	21.6	-----
Average.....	7.7	9.7	8.2	4.8	8.8	5.4	-----	8.0	23.1	-----

See footnotes at end of table.

TABLE 164.—Price per pound of specified vegetable oils used in foods and food products, 1931-36—Continued

Year and month	Cottonseed oil, refined, barrels, f. o. b. Chicago	Peanut oil, domestic, barrels, New York	Soybean oil, refined, drums, New York ¹	Coconut oil, edible, tanks, New York ²	Sesame oil, refined, drums, New York	Rape oil, refined, barrels, New York	Sunflower oil, refined, drums, New York	Corn oil, refined, barrels, New York	Olive oil, edible, barrels, New York	Tea-seed oil, drums, New York
1935	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>	<i>Cents</i>
January.....	13.4	³ 12.7	10.2	6.6	10.1	5.8	9.7	12.0	22.3	8.1
February.....	13.8	13.7	10.7	7.4	10.3	6.5	10.8	12.6	22.8	7.8
March.....	13.4	13.8	11.6	8.2	10.5	6.7	11.4	13.4	22.9	8.5
April.....	13.0	13.0	11.0	7.7	10.3	6.0	10.8	12.3	22.9	8.0
May.....	12.2	13.0	11.0	7.9	10.2	5.9	10.8	12.2	22.9	8.0
June.....	11.8	13.0	11.0	7.1	10.2	6.0	10.6	11.8	22.9	8.0
July.....	11.1	13.0	10.2	6.2	10.0	5.6	10.1	11.6	22.9	8.2
August.....	11.3	13.2	9.6	5.8	9.8	5.8	10.5	11.6	22.9	8.2
September.....	11.1	13.5	10.2	6.2	9.8	6.2	11.8	11.6	23.2	8.2
October.....	11.5	12.5	10.6	6.8	10.8	7.0	11.9	11.6	23.7	8.9
November.....	11.3	13.5	10.6	6.8	11.8	7.1	11.2	12.0	23.7	9.5
December.....	11.3	13.5	10.6	6.8	12.2	7.5	10.8	12.8	23.7	9.5
Average.....	12.1	13.3	10.0	7.0	10.5	6.3	10.8	12.1	23.1	8.4
1936										
January.....	10.8	13.2	10.3	6.9	11.8	7.4	10.8	12.6	23.5	9.6
February.....	10.4	12.6	9.6	7.0	10.6	7.2	10.3	12.1	23.3	³ 9.5
March.....	10.4	12.4	9.6	6.8	10.4	7.0	10.0	11.0	22.8	9.1
April.....	10.4	12.4	9.2	6.7	10.2	7.2	9.9	11.1	22.7	8.8
May.....	10.1	12.2	8.8	5.8	10.0	7.0	9.8	11.0	22.7	8.3
June.....	10.2	12.2	8.6	6.1	10.0	7.3	9.8	10.9	22.7	8.9
July.....	10.4	12.5	10.0	6.2	10.0	8.5	9.9	11.8	22.7	9.4
August.....	10.8	³ 12.5	10.2	6.9	10.5	8.6	10.6	12.8	25.7	12.3
September.....	10.8	12.5	10.2	7.9	11.1	8.9	³ 11.1	12.8	³ 29.2	13.4
October.....	10.6	12.5	10.1	8.7	11.1	9.4	11.2	12.6	25.1	12.2

¹ Beginning September 1933, in drums; prior to that date in barrels.

² Beginning June 1934, in tanks; prior to that date in barrels.

³ Nominal quotations as follows: Peanut oil, January-December 1935, and August-October 1936. Sunflower and olive oils, September-October 1936. Corn oil, December 1934-March 1935. Tea-seed oil, February-March 1936.

Compiled from the Oil, Paint, and Drug Reporter. Average of quotations for Saturdays during the month, except cottonseed oil, which is from the National Provisioner, average of weekly quotations during the month. The following excise taxes levied on first domestic processing are not included: On coconut oil, 3 cents per pound beginning May 10, 1934; on sesame oil, 3 cents per pound from May 10, 1934, to Aug. 20, 1936; on sunflower oil, 3 cents per pound from May 10, 1934, to Aug. 20, 1936, and 4½ cents beginning Aug. 21, 1936; on rape oil, 4½ cents per pound beginning Aug. 21, 1936.

MINOR VEGETABLE OILS

Minor vegetable oils not included in the computations of totals in this bulletin include the following:

Almond oil, sweet, which is used in pharmaceutical preparations. It should not be confused with the essential oil of almond.

Babassu nuts and oil, imports of which were not separately reported prior to 1936, but the report of the Commissioner of Internal Revenue shows that 1,838,000 pounds were used in the manufacture of oleomargarine in 1935.

Croton oil, which is used medicinally as a purgative.

Oiticica oil, imports of which were not separately reported prior to 1936, but private sources estimate imports at about 2,000,000 pounds in 1935.

Ouricuri oil, imports of which were not separately reported prior to 1936. Reports of the Commissioner of Internal Revenue show ouricuri oil used in the manufacture of oleomargarine beginning September 1936.

Poppy seed is used for culinary purposes. It is believed that none is crushed in the United States, although in foreign countries considerable amounts of poppy oil are produced. The imports are therefore not to be considered as available for oil production. Imports for the last 3 years have been as follows:

	<i>1,000 pounds</i>
1933	8, 264
1934	6, 412
1935	8, 393

Safflower oil: Safflower is an oriental crop and neither the oil nor the oil cake have entered the channels of trade in countries outside of India and Egypt. Safflower is being suggested as a new dry-land and irrigation crop for the northern Great Plains for the production of a drying oil to supplement the supply in the United States of other domestic drying oils and experimental plantings are being made.

TABLE 165.—Imports of almond, croton, and poppy oils, 1919–35

ALMOND OIL

Year	Quantity	Year	Quantity	Year	Quantity	Year	Quantity
	<i>1,000 lb.</i>		<i>1,000 lb.</i>		<i>1,000 lb.</i>		<i>1,000 lb.</i>
1919	46	1924	70	1928	86	1932	70
1920	57	1925	74	1929	77	1933	81
1921	41	1926	81	1930	77	1934	81
1922	78	1927	66	1931	72	1935	92
1923	59						

CROTON OIL

1919	1	1924	17	1928	1	1932	2
1920	4	1925	1	1929	1	1933	4
1921	2	1926	2	1930	2	1934	2
1922	3	1927	2	1931	2	1935	7
1923	2						

POPPY OIL

1919	2	1924	19	1928	45	1932	7
1920	5	1925	64	1929	39	1933	12
1921	10	1926	176	1930	28	1934	23
1922	12	1927	42	1931	22	1935	14
1923	16						

TARIFF RATES AND EXCISE TAXES

TABLE 166.—Tariff rates and excise taxes on fats and oils as established by Tariff Acts of 1913, 1921, 1922, and 1930, and Revenue Acts of 1934 and 1936

Fat or oil	Rate of duty established by Tariff Act of—					Rate of excise tax (in addition to duty) imposed by Revenue Act of—		
	Unit	1913	1921	1922	1930	Unit	May 10, 1934	Aug. 21, 1936 ¹
Animal fats or oils:								
Butter.....	Pound.....	2¼ cents.....	6 cents.....	12 cents ²	14 cents ²			
Lard.....	do.....	Free.....		1 cent.....	3 cents.....			
Oleo oil.....		15 percent ad valorem ⁴		1 cent per pound.....	1 cent per pound.....			(9).
Oleostearine.....	Pound.....	Free.....		1 cent.....	1 cent.....			(9).
Other edible animal oils, fats, or greases n. s. p. f.	Ad valorem.....	15 percent; ⁴ free ⁷		20 percent.....	20 percent.....			
Tallow.....	Pound.....	Free.....		½ cent.....	½ cent.....	Pound.....		3 cents.
Wool grease:								
Containing over 2 percent free fatty acid.....	do.....	(5).....		(5).....	1 cent.....			(5).
Containing 2 percent or less free fatty acid.....	do.....	(5).....		(5).....	2 cents.....			(5).
Medicinal use.....	do.....	(5).....		(5).....	3 cents.....			(5).
Other inedible animal oils, fats, or greases n. s. p. f.	Ad valorem.....	15 percent; ⁶ free ⁷		20 percent.....	20 percent.....	Pound.....		3 cents.
Marine animal oils:								
Cod oil.....		Free.....		Free.....	Free.....			
Cod-liver oil.....	do.....	do.....		do.....	do.....			
Herring oil.....	Gallon.....	3 cents ⁹		5 cents ⁹	5 cents ⁹	Pound.....	3 cents ¹⁰	3 cents. ¹⁰
Menhaden oil.....	do.....	do. ⁹		do. ⁹	do. ⁹	do.....	do. ¹⁰	Do. ¹⁰
Seal oil.....	do.....	do. ⁹		6 cents ⁹	6 cents ⁹	do.....	do. ¹⁰	Do. ¹⁰
Sod oil.....	do.....	do. ⁹		5 cents ⁹	5 cents ⁹	do.....	do. ¹⁰	Do. ¹⁰
Sperm oil:								
Crude.....	do.....	8 cents ⁹		10 cents ⁹	5 cents ⁹ ¹¹			
Refined or processed.....	do.....	do. ⁹		do. ⁹	14 cents ⁹			
Whale (other than sperm).....	do.....	5 cents ⁹		6 cents ⁹	6 cents ⁹	Pound.....	3 cents ¹⁰	3 cents. ¹⁰
All other marine animal oils n. s. p. f.		3 cents per gallon ⁹ ¹²		20 percent ad valorem. ⁹ ¹³	20 percent ad valorem. ⁹	do.....	do. ¹⁰	Do. ¹⁰
Vegetable oils and raw materials:								
Babassu nuts.....				Free ¹³	Free ¹³			
Babassu oil.....				do. ¹⁴	do. ¹⁴			
Castor beans.....		15 cents per bushel of 50 pounds.....		½ cent per pound.....	½ cent per pound ¹⁵			

Castor oil.....		12 cents per gallon.....		3 cents per pound.....	3 cents per pound.....			
Coconut oil: From or produced of materials from the Philippines or any other possession of the United States. ¹⁴		Free.....		Free.....	Free ^{17 18}	Pound.....	3 cents ¹⁹	3 cents. ¹⁹
Other.....		do. ²⁰	20 cents per gallon.....	2 cents per pound.....	2 cents per pound.....	do.....	5 cents ¹⁵	5 cents. ¹⁹
Copra.....		3¼ cents per pound ²¹		Free.....	Free.....			
Corn oil.....	Ad valorem.....	15 percent.....		20 percent.....	20 percent.....			
Cottonseed.....	Pound.....	Free.....		¼ cent.....	¼ cent.....			
Cottonseed oil.....		do.....	20 cents per gallon.....	3 cents per pound.....	3 cents per pound.....			
Croton oil.....		do.....		Free.....	Free.....			
Flaxseed.....	Bushel of 56 pounds.....	20 cents.....	30 cents.....	56 cents ²²	65 cents.....			
Hempseed.....		Free.....		Free.....	Free.....	Pound.....		2 cents.
Hempseed oil.....		3 cents per gallon.....		1½ cents per pound.....	1½ cents per pound.....	do.....		4½ cents. ²³
Kapok oil.....	Ad valorem.....	15 percent ²⁴		20 percent ²⁴	20 percent ²⁴	do.....		Do. ²³
Kapok seed.....		Free.....		Free.....	Free.....	do.....		2 cents.
Linseed oil.....		10 cents per gallon of 7½ pounds. ²⁵		3.7 cents per pound ^{25 26}	4½ cents per pound.....			
Mustard oil.....	Ad valorem.....	15 percent ²⁴		20 percent ²⁴	20 percent ²⁴			
Mustard seed.....	Pound.....	Free.....		1 cent.....	2 cents.....			
Oiticica oil.....		Free.....		1 cent.....	(?).....			
Olive oil: Weighing with container less than 40 pounds.		30 cents per gallon in packages of less than 5 gallons.	50 cents per gallon in containers of less than 5 gallons.	7½ cents per pound on contents and container.	8 cents per pound on contents and container. ²⁵			
Rendered unfit for food.....		Free.....		Free.....	Free.....			
N. s. p. f.....		20 cents per gallon.....	40 cents per gallon in bulk.	6½ cents per pound.....	6½ cents per pound.....			
Palm-kernel oil.....		Free.....		Free.....	Free.....			
Rendered unfit for food.....		do ²⁹		do ²⁹	do.....	Pound.....	3 cents ¹⁹	3 cents. ¹⁹
Other.....	Pound.....				1 cent.....	do.....	do ¹⁹	Do. ¹⁹
Palm nuts or kernels.....		Free.....		Free.....	Free.....			
Palm oil: For tin plate.....		do.....		do.....	do ³⁰			
Other.....					do ³⁰	Pound.....	3 cents ¹⁹	3 cents. ¹⁹
Peanut oil.....		6 cents per gallon.....	26 cents per gallon; 3 cents per pound.	4 cents per pound.....	4 cents per pound.....			
Peanuts: Shelled.....	Pound.....	¾ cent.....		6 cents ^{31 32}	7 cents ³¹			
Unshelled.....	do.....	¾ cent.....		4¼ cents ^{31 32}	4¼ cents ^{31 33}			
Perilla oil.....		Free.....		Free.....	Free.....	Pound.....		4½ cents. ³³
Perilla seed.....	Bushel of 56 pounds.....	20 cents.....		do.....	do.....	do.....		2 cents.
Poppy oil.....		6 cents per gallon.....		2 cents per pound ³⁴	2 cents per pound.....			
Poppy seed.....		15 cents per bushel of 47 pounds.		32 cents per 100 pounds.....	32 cents per 100 pounds. ³⁴			

See footnotes at end of table.

TABLE 166.—*Tariff rates and excise taxes on fats and oils as established by Tariff Acts of 1913, 1921, 1922, and 1930, and Revenue Acts of 1934 and 1936—Continued*

Fat or oil	Rate of duty established by Tariff Act of—					Rate of excise tax (in addition to duty) imposed by Revenue Act of—		
	Unit	1913	1921	1922	1930	Unit	May 10, 1934	Aug. 21, 1936 ¹
Vegetable oils and raw materials— Continued.								
Rape oil:								
Rendered unfit for food	Gallon	6 cents ³⁵		6 cents ³⁵	Free	Pound		4½ cents. ³²
Other	do.	6 cents		6 cents	6 cents	do.		Do. ³²
Rapeseed		Free		Free	Free	do.		2 cents.
Rubberseed	Pound				do.			
Rubberseed oil	Ad valorem	(37)			20 percent ³⁷			
Safflower oil	do.	(37)			do ³⁷			
Sesame oil:								
Rendered unfit for food	Pound	1 cent ³⁸		Free				
Other	do.	1 cent		do ³⁹	Free	Pound	3 cents	4½ cents. ³²
Sesame seed	Bushel of 56 pounds.	20 cents		Free	Free	do.	do.	2 cents.
Soybean oil		Free	20 cents per gallon	2½ cents per pound	3½ cents per pound but not less than 45 per cent ad valorem.			
Soybeans	Pound	do.		½ cent per pound	2 cents per pound			
Sunflower oil:								
Rendered unfit for food	Ad valorem	15 percent ⁴¹		20 percent ⁴¹	Free	Pound	3 cents	4½ cents. ³²
Other	do.	do ⁴¹		do ⁴¹	20 percent ⁴¹	do.	do.	Do. ³²
Sunflower seed	Pound	Free		2 cents	2 cents			
Tallow, vegetable	do.	do.		do.	Free			
Teaseed oil				do.	do.			
Tung nuts	Pound	1 cent ⁴⁰		do.	do.			
Tung oil		Free ⁴¹		do ⁴¹	do.			
Walnut oil				(14)	(14)			
Nut oil n. s. p. f.		Free		Free	Free			
Seeds and nuts n. s. p. f. (when oils derived therefrom are free).		(43)		do.	do.			
All other expressed or extracted vegetable oils n. s. p. l.	Ad valorem	15 percent		20 percent	20 percent			

Fatty acids or salts of taxable fats or oils.					(44)			(45)
Manufactured articles:								
Lard compounds and lard substitutes. ⁴⁶	Pound	Free		4 cents	5 cents			(47)
Oleomargarine and other butter substitutes. ⁴⁸	do.	2½ cents	6 cents	8 cents	14 cents			(47)
Paint:								
Pigments, colors, stains, and paints, including enamel, dry, mixed, or ground in or mixed with water, oils, or solution other than oil n. s. p. f.	Ad valorem	15 percent; 20 percent ⁴⁹		25 percent	25 percent			(47)
Soap:								
Castile	do.	10 percent		15 percent	15 percent			(47)
Other toilet	do.	30 percent; ⁵⁰ 10 percent. ⁵¹		30 percent	30 percent			(47)
All other, including soap powder.	do.	5 percent; ⁵² 20 percent; 25 percent. ⁵³		15 percent	15 percent			(47)

See footnotes on pages 116 and 117.

Products entering continental United States from "possessions" of the United States are free of duty, except that "following the inauguration of the Government of the Commonwealth of the Philippine Islands, Nov. 15, 1935, and pending complete independence (July 4, 1946), any coconut oil imported into the United States from the Philippines in excess of 200,000 long tons shall be subject to the same rate of duty as if imported from any other country."

Imports from foreign countries into Alaska, Hawaii, and Puerto Rico are subject to tariff schedules of continental United States. The Philippines, Virgin Islands, American Samoa, and Guam, have separate tariff schedules of their own.

The tariff status of fats and oils, and oil materials produced in Cuba depends upon future decisions as to the applicability of article I of the Cuban Trade Agreement of Aug. 24, 1934, to each particular product. If and when one of these items is imported from Cuba, a decision will be made as to whether it is or is not entitled to free entry. Information as to the actual tariff status at any given time of any product imported from Cuba may be obtained from the Division of Classification, Bureau of the Customs, Washington, D. C. In general, rates on dutiable Cuban products are 20 percent less than the lowest rates accorded products of other foreign countries. In a few cases more than 20 percent reduction is accorded to Cuba.

Under the Trade Agreements Act the concessions apply to articles the growth, produce, or manufacture of all foreign countries except countries declared by the President to be discriminating against the United States. Up to Dec. 15, 1936, Germany and Australia were the only countries placed in this class and the only countries not receiving the benefit of the rates proclaimed under the Trade Agreements Act.

¹ Whether or not refined, sulphated, hydrogenated, or otherwise processed.

² Fresh or sour cream containing more than 45 percent of butterfat dutiable as butter.

³ Rate under 1922 act, 8 cents per pound, increased to 12 cents per pound by Presidential proclamation effective Apr. 5, 1926.

⁴ All other animal oils.

⁵ The 3-cents-per-pound excise tax on imports of "inedible oils, fats, or greases" would presumably apply to inedible imports, if any, under this classification and to any imported fatty acids or salts of these items. Treasury Department should be consulted.

⁶ All other animal oils, rendered oils and greases, and all combinations of the same, n. s. p. f. (and not used for purposes listed in footnote 7).

⁷ Greases, fats, and oils (excepting fish oils) not chemically compounded, such as are commonly used in soap making or in wire drawing, or for dressing or stuffing leather, and which are fit only for such uses, n. s. p. f.

⁸ The descriptions in the 1913 act and 1922 act are not directly comparable. The following is from par. 44 of the 1913 act: "Wool grease, including that known commercially as degrass or brown wool grease, crude and not refined or improved in value or condition, ¼ cent per pound; refined or improved in value or condition, and not specially provided for in this section, ½ cent per pound; lanolin, 1 cent per pound." The following is from par. 53 of the 1922 act: "Wool grease, crude, including that known commercially as degrass or brown wool grease, ½ cent per pound; wool grease, not crude, including adeps, lanæ, hydrous, and anhydrous, 1 cent per pound."

⁹ But if the product of American fisheries it is free under par. 561 of the Tariff Act of 1913, par. 1630 of the Tariff Act of 1922, and par. 1730 (a) of the Tariff Act of 1930.

¹⁰ Does not apply to products of the American fisheries.

¹¹ The original rate in 1930 Tariff Act was 10 cents per gallon. This was decreased to 5 cents per gallon by Presidential proclamation under sec. 336, effective Apr. 1, 1933. Under the trade agreement with Canada, effective Jan. 1, 1936, the rate was reduced to 2½ cents per gallon. It applies to products of all foreign countries except Cuba and except countries declared by the President to be discriminating against the United States. Up to December 1936, Germany and Australia were the only countries placed in this class.

¹² The 1913 act and 1922 act read: "All fish oils and all other animal oils, fats and greases, n. s. p. f."

¹³ Not specially mentioned in either tariff act but free as "oil-bearing seeds and nuts not specially provided for when the oils derived therefrom are free" under par. 1626 of the 1922 act and 1727 of the 1930 act. "Bound" free from duty and Federal internal taxes during life of Brazilian Trade Agreement, effective Jan. 1, 1936.

¹⁴ Not specially mentioned in either tariff act but free under par. 1632 of the 1922 act and par. 1732 of the 1930 act as "nut oils not specially provided for." "Bound" free from duty and tax during life of Brazilian Trade Agreement, effective Jan. 1, 1936.

¹⁵ Under the trade agreements with Brazil, effective Jan. 1, 1936, and with Colombia, effective May 20, 1936, the rate was reduced to ¼ cent per pound. Reduced rate established by trade agreements applies to products of all foreign countries except Cuba and except countries declared by President to be discriminating against the United States (that is, Germany and Australia up to December 1936).

¹⁶ "Possessions" of United States include Philippine Islands and the following designated as "noncontiguous territories": Alaska, Hawaii (including Midway Islands), Puerto Rico, Guam, American Samoa (including Swains Island), Wake Island (radio station), Panama Canal Zone, and Virgin Islands.

¹⁷ Coconut oil from the Philippines is free of duty except that after Nov. 15, 1935, and until July 4, 1946, all coconut oil imported from the Philippines in excess of 200,000 long tons must pay the same duty as if imported from any other country.

¹⁸ If produced in Cuba, rates after March 1934 are subject to decision by the Bureau of Customs.

¹⁹ Excise tax on first domestic processing. According to a ruling of the Bureau of Internal Revenue (Reg. No. 48) "first domestic processing" means the first use in the United States of the oil or oils in the manufacture or production of an article intended for sale.

²⁰ Rendered unfit for use as food or for any but mechanical or manufacturing purposes.

²¹ Refined and deodorized.

²² Original rate in 1922 act, 40 cents per bushel, increased by Presidential proclamation, effective June 13, 1929.

²³ Effective Aug. 21, 1936, sec. 701 of the Revenue Act of 1936 places a tax of 4¼ cents per pound on imports of sesame oil unfit for food, etc., sunflower oil, rapeseed oil, kapok oil, hempseed oil, perilla oil, fatty acids from any of the foregoing or from linseed oil, salts of any of the foregoing; and all the foregoing whether or not refined, etc., or otherwise processed. Articles, merchandise, or combinations of certain taxable oils are made taxable at rates equivalent to taxes on such contained oils.

²⁴ Not specially mentioned in tariff acts but dutiable under par. 45 of the 1913 act, par. 54 of the 1922 act, and par. 53 of the 1930 act as "oils, vegetable, all other expressed or extracted not specially provided for."

²⁵ Acts of 1913 and 1922 description was "linseed or flaxseed oil, raw, boiled, or oxidized."

²⁶ Rate increased from 3¾ cents per pound by Presidential proclamation effective July 25, 1929.

²⁷ If ruled to be "vegetable oils" n. s. p. f., a tariff rate of 20 percent ad valorem, if "nut oils" n. s. p. f., free of duty.

²⁸ 9½ cents per pound in 1930 tariff act reduced by Presidential proclamation under sec. 336, effective July 24, 1931.

²⁹ Not specially mentioned in 1913 act or 1922 act but free under par. 561, 1913 act and par. 1632, 1922 act as palm-kernel oil.

³⁰ Bound against change during life of Netherlands Trade Agreement, Feb. 1, 1936.

³¹ Free if product of the Philippines.

³² Original rates under 1922 act were 3 cents on peanuts not shelled and 4 cents on shelled, increased by Presidential proclamation, effective Feb. 18, 1929.

³³ Unshelled salted peanuts held dutiable as "Peanuts, salted, prepared, etc." at 7 cents per pound. (Treasury Decision 46880, Jan. 22, 1934.)

³⁴ Described in 1922 act as "poppy seed oil, raw, boiled, or oxidized."

³⁵ The trade agreement with Netherlands, effective Feb. 1, 1936, reduced the rate to 16 cents per 100 pounds. It applies to products of all foreign countries except Cuba and except countries declared by President to be discriminating against United States (that is Germany and Australia up to December 1936).

³⁶ N. s. p. f. in 1913 and 1922 tariff acts, but dutiable as rape oil.

³⁷ If any came in and was ruled to be "vegetable oils", n. s. p. f., a tariff rate of 15 percent ad valorem applied, if "nut oils" n. s. p. f., free of duty.

³⁸ N. s. p. f. in 1913 tariff act but 1 cent per pound under par. 45 as sesame oil.

³⁹ N. s. p. f. in 1922 tariff act but free under par. 1632 as sesame oil.

⁴⁰ N. s. p. f. in 1913 tariff act but 1 cent per pound under par. 226 as "nuts of all kinds, shelled or unshelled, n. s. p. f."

⁴¹ The 1913 tariff act specified Chinese nut oil and the 1922 tariff act specified "Chinese and Japanese tung oil."

⁴² N. s. p. f. in 1913 tariff act but free under par. 561 as "nut oil or oil of nuts n. s. p. f."

⁴³ No corresponding classification.

⁴⁴ Specific cases subject to Treasury decisions as to classification.

⁴⁵ In the 1936 act bears the same tax as on the fat or oil from which derived.

⁴⁶ Tariff act designation.

⁴⁷ Under the terms of sec. 402 of the Revenue Act of 1935 effective Sept. 30, 1935, any article (such as lard compound, oleomargarine, etc.) manufactured from certain taxable oils, when imported from a foreign country, possession, or from the high seas was subject to a tax equivalent to the tax on the contained oils. This was repealed by sec. 703 of the 1936 Revenue Act, effective Aug. 21, 1936. Sec. 701 contains provisions similar to, but

broader than, those repealed and in effect provides for a tax equivalent to the excise tax on ingredient oils. Rate or rates applicable to particular mixtures or combinations or manufactured articles presumably will be indicated by Treasury decisions on classification as need arises. Excise taxes do not apply to any item in the combination or mixture on which an import or first domestic processing tax has been previously paid.

⁴⁸ The Oleomargarine Act of 1886 levied a revenue tax of 15 cents per pound (in addition to all other taxes) on imported oleomargarine. This tax is still effective.

⁴⁹ All artists' paints or colors and "all color lakes, whether dry or in pulp, n. s. p. f."

⁵⁰ Perfumed.

⁵¹ Unperfumed.

⁵² Medicinal 20 percent ad valorem, and soaps other than castile containing castor oil 25 percent ad valorem.

TABLE 167.—Changes in duties on agricultural products made under section 338 (the flexible provision) of the 1930 Tariff Act from June 18, 1930, to July 1, 1936

Fat or oil	Rate of duty—		Effective date
	Under Tariff Act of 1930	New rate	
Olive oil, weighing with immediate container under 40 pounds.	9½ cents per pound on contents and container.	8 cents per pound on contents and container.	July 24, 1931
Sperm oil, crude.....	10 cents per gallon.....	5 cents per gallon.....	Apr. 1, 1933
Spermaceti wax.....	6 cents per pound.....	3½ cents per pound.....	Do.

TABLE 168.—Tariff concessions on agricultural products made by the United States in the trade agreements

Fat or oil	Rate of duty—		Trade agreement with—	Effective date
	Under Tariff Act of 1930	Under trade agreement		
Babassu nuts and kernels.	Free.....	Free.....	Brazil.....	Jan. 1, 1936
Babassu oil, expressed.....	do.....	do.....	do.....	Do.
Castor beans.....	½ cent per pound.....	¼ cent per pound.....	do.....	Do.
Castor beans.....	do.....	do.....	Colombia.....	May 20, 1936
Palm oil, expressed or extracted. ¹	Free.....	Free.....	Netherlands.....	Feb. 1, 1936
Poppy seed.....	32 cents per 100 pounds	16 cents per 100 pounds.	do.....	Do.
Sperm oil, crude.....	5 cents per gallon.....	2½ cents per gallon.....	Canada.....	Jan. 1, 1936

¹ No Federal internal tax in excess of the rate of 3 cents per pound now provided for in sec. 602½ of the Revenue Act of 1934 shall be imposed in the United States in respect to palm oil the product of the Netherlands or any of its overseas territories.

REVENUE ACT OF 1934

Sec. 602—Tax on certain oils.—Section 601(c) of the Revenue Act of 1932 is amended by adding at the end thereof a new paragraph as follows:

(8) Whale oil (except sperm oil), fish oil (except cod oil, cod-liver oil, and halibut-liver oil), marine animal oil, and any combination or mixture containing a substantial quantity of any one or more of such oils, 3 cents per pound. The tax on the articles described in this paragraph shall apply only with respect to the importation of such articles after the date of the enactment of this act * * *.

Sec. 602½—Processing tax on certain oils.—(a) There is hereby imposed upon the first domestic processing of coconut oil, sesame oil, palm oil, palm-kernel oil, or sunflower oil, or of any combination or mixture containing a substantial quantity of any one or more of such oils with respect to any of which oils there has been no previous first domestic processing, a tax of 3 cents per pound to be paid by the processor. There is hereby imposed (in addition to the tax imposed by the preceding sentence) a tax of 2 cents per pound, to be paid by the processor, upon the first domestic processing of coconut oil or of any combination or mixture containing a substantial quantity of coconut oil with respect to which oil there has been no previous first domestic processing, except that the tax imposed by this sentence shall not apply when it is established * * * that such coconut oil (whether or not contained in such combination or mixture) (A) is wholly the production of the Philippine Islands or any other possession of the United States or (B) was produced from materials the growth or production of the Philippine Islands or of any other possession of the United States or (C) was brought into the United States or produced from materials brought into the United States on or before the 30th day after the date of enactment of this act * * *. For purposes of this section "first domestic processing" does not include the use of palm oil in the manufacture of tin plate.

Sec. 803—Effective date.—Except as otherwise provided, this act shall take effect upon its enactment.

Approved May 10, 1934, at 11:40 a. m. (But since sec. 602 taxes apply only with respect to the oils when imported after the date of enactment, therefore sec. 602 taxes were effective May 11, 1936.)

REVENUE ACT OF 1935

Sec. 402—Compensatory tax on products of certain oils.—During any period after the thirtieth day after the date of the enactment of this act when * * *

(1) a processing tax is in effect under section 602½ of the Revenue Act of 1934 or [see above]

(2) an import tax is in effect under section 601 (c) (8) of the Revenue Act of 1932, as amended, [see above] there is hereby imposed upon any article (not within the scope of either such tax) manufactured or produced wholly or in chief value from any one or more of the oils subject to either such tax, when such article is imported into the United States from any foreign country or from any possession of the United States or from the high seas, a compensatory tax equivalent to the tax which would be payable under such section 602½ or 601 (c) (8) upon such oil or oils if imported into the United States or if processed in the United States.

Section 402 became effective September 30, 1935 (Treasury Decision 47863).

TITLE V, REVENUE ACT OF 1935

Sec. 701—Tax on certain oils.—The first sentence of 601 (c) (8) of the Revenue Act of 1932, as amended [see sec. 602, Revenue Act of 1934, on page 64], is amended to read as follows:

(8) Whale oil (except sperm oil), fish oil (except cod oil, cod-liver oil, and halibut-liver oil), marine animal oil, tallow, inedible animal oils, inedible animal fats, inedible animal greases, fatty acids derived from any of the foregoing, salts of any of the foregoing; all the foregoing, whether or not refined, sulphonated, sulphated, hydrogenated, or otherwise processed, 3 cents per pound; sesame oil provided for in paragraph 1732 of the Tariff Act of 1930, sunflower oil, rapeseed oil, kapok oil, hempseed oil, perilla oil, fatty acids derived from any of the foregoing or from linseed oil, and salts of any foregoing; all the foregoing, whether or not refined, sulphonated, sulphated, hydrogenated, or otherwise processed, 4½ cents per pound; any article, merchandise, or combination (except oils specified in sec. 602½ of the Revenue Act of 1934, as amended) [see sec. 702 of this act], 10 percent or more of the quantity by weight of which consists of, or is derived directly or indirectly from, one or more of the products specified above in this paragraph or in * * * [sec. 702] * * * a tax at the rate or rates per pound equal to that proportion of the rate or rates prescribed in this paragraph or * * * [sec. 702] * * * in respect of such product or products which the quantity by weight of the imported article, merchandise, or combination, consisting of or derived from such product or products, bears to the total weight of the imported article, merchandise, or combination; hempseed, perilla seed, rapeseed, sesame seed, and kapok seed, 2 cents per pound.

Sec. 702—Processing tax on certain oils.—(a) The first sentence of Section 602½ of the Revenue Act of 1934 [see above] is amended to read as follows:

(a) There is hereby imposed upon the first domestic processing of coconut oil, palm oil, palm kernel oil, fatty acids derived from any of the foregoing oils, salts of any of the foregoing (whether or not such oils, fatty acids, or salts have been refined, sulphonated, sulphated, hydrogenated, or otherwise processed), or any combination or mixture containing a substantial quantity of any one or more of such oils, fatty acids, or salts, a tax of 3 cents per pound to be paid by the processor, but the tax under this section shall not apply

(1) with respect to any fatty acid or salt resulting from a previous first domestic processing taxed under this section or upon which an import tax has been paid under * * * [sec. 701 of this act] * * * or

(2) with respect to any combination or mixture by reason of its containing an oil, fatty acid, or salt with respect to which there has been a previous first domestic processing or upon which an import tax has been paid under such * * * [sec. 701].

(b) Notwithstanding the provisions of subsection (a) of this section, the first domestic processing of sunflower oil or sesame oil (or any combination or mixture containing a substantial quantity of sunflower oil or sesame oil), if such oil or such combination or mixture or such oil contained therein was imported prior to the

effective date of this title, shall be taxed in accordance with the provisions of Section 602½ of the Revenue Act of 1934 in force on the date of the enactment of this act.

Sec. 703.—* * * Section 402 of the Revenue Act of 1935 is hereby repealed * * *

Sec. 704.—Effective date.—The provisions of this title shall be effective on and after the sixtieth day following the date of the enactment of this act.

Date of enactment was June 22, 1936; effective date of title V was therefore August 21, 1936.

WEIGHTS AND MEASURES

Castor oil.....	8 pounds per gallon
All other oils.....	7.5 " " "

According to established custom in the Department of Agriculture, and to general trade practice (as indicated by the New York Produce Exchange and by trade journals) the above weights have been used in this bulletin when converting gallons to pounds. This is generally considered more satisfactory than attempting to convert from measure to weight at a given temperature, since the weight of a gallon of oil varies with the temperature. The Bureau of Fisheries states that production of fish oils on Atlantic and Gulf coasts is reported in gallons of 7.74 pounds and on the Pacific coast in trade gallons of 7.5 pounds.

Actual weights (that is the specific gravity at 60° F. times the weight of 1 gallon of water at 60°, which is 8.33 pounds) of oil per gallon at 60° are as shown in the following tabulations:¹⁰

Oil:	Pounds	Oil:	Pounds
Castor.....	8.02	Neat's-foot.....	7.62
Cod-liver.....	7.72	Olive ¹	7.63
Corn.....	7.67	Palm.....	7.54
Cottonseed.....	7.67	Poppy.....	7.70
Hempseed.....	7.75	Rape.....	7.63
Lard.....	7.64	Soybean.....	7.67
Linseed.....	7.75	Whale.....	7.71

Castor beans ²	46 pounds per bushel.
Coconuts ³	1,200 to 1,300 average fresh nuts weigh about 1 short ton. The number of nuts required to manufacture a short ton of copra varies from 3,500 to 5,000.
Corn (shelled) ⁴	56 pounds per bushel.
Cottonseed ^{2 5}	32 pounds per bushel.
Flaxseed ⁴	56 pounds per bushel.
Hempseed ²	44 pounds per bushel.
Kapok seed ⁶	35 to 40 pounds per bushel.
Mustard seed ²	58 pounds per bushel.
Oiticica seed (shelled) ⁷	34 pounds per bushel.

¹ The U. S. Federal Trade Commission, in 1927, ruled that a United States gallon of olive oil must weigh 7.61 pounds; of other edible oils, 7.7 pounds.

² National Bureau of Standards. Weight legally established in 1 or more States but not by Federal statute.

³ Malayan Agricultural Statistics, 1933, p. 11, and Export Crops of the Netherlands India in 1933, p. 78.

⁴ National Bureau of Standards, weight established by Federal statute.

⁵ To estimate production assume 65 pounds of seed to 35 pounds of lint cotton or 888 pounds of seed to one 478-pound bale of lint cotton. U. S. Department of Agriculture.

⁶ Department of Agriculture. APPROXIMATE OR AVERAGE WEIGHT OF VARIOUS COMMODITIES. May 1936. [Mimeographed.]

⁷ GARDNER, H. A. OITICICA OIL. Nat. Paint, Varnish, and Lacquer Assoc. Circ. 470:216. October 1934.

¹⁰ JAMIESON, G. S. VEGETABLE FATS AND OILS; THE CHEMISTRY, PRODUCTION, AND UTILIZATION OF VEGETABLE FATS AND OILS FOR EDIBLE, MEDICINAL, AND TECHNICAL PURPOSES. 444 pp., illus. New York. See p. 413.

Peanuts ² -----	1 pound shelled = 1½ pounds in the shell: Unshelled Virginias, 22 pounds per bushel. Unshelled Runners, 28 pounds per bushel. Unshelled Spanish, 30 pounds per bushel.
Perilla seed (cleaned ocymoides) ⁸ ..	37 to 40 pounds per bushel.
Poppy seed ⁶ -----	46 pounds per bushel.
Rapeseed ² -----	50 pounds per bushel.
Rosin, gum ⁹ -----	280 pounds per barrel.
Safflower seed ¹⁰ -----	42 to 48 pounds per bushel.
Sesame seed ⁶ -----	46 pounds per bushel.
Soybeans ⁶ -----	60 pounds per bushel.
Sunflower seed ² -----	24 pounds per bushel.
Whale oil ¹¹ -----	{ 50 gallons per barrel. 373.3 pounds per barrel.
Barrel-----	Varies with commodity, 42 gallons often used.
Barrel, cottonseed oil-----	400 pounds.
Bushel, United States standard, i, e., Winchester. ⁴	{ 2,150.42 cubic inches. { See individual items above.
Cask (may be of wood or metal) ..	Various sizes, 20 gallons frequent.
Drum (metal barrel)-----	See barrel.
Tierces, lard ¹² -----	360 to 395 pounds net.
Tubs, butter-----	60 to 65 pounds net.
Gallon, United States ¹ -----	231 cubic inches.
Gallon, United States, of water, 60° F.	8.33 pounds.
Gallon, United States, of oil-----	See individual oils.
Gallon, United States-----	0.833 Imperial gallon.
Gallon, Imperial-----	1.20 United States gallons.
Ton, short-----	2,000 pounds.
Ton, long-----	2,240 pounds.
Ton, metric-----	2,204.6 pounds.
Kilogram-----	2.2046 pounds.
Quintal-----	220.46 pounds.

¹ National Bureau of Standards. Weight legally established in 1 or more States but not by Federal statute.

⁴ National Bureau of Standards, weight established by Federal statute.

⁶ Department of Agriculture. APPROXIMATE OR AVERAGE WEIGHT OF VARIOUS COMMODITIES. May 1936. [Mineographed.]

⁸ Bureau of Plant Industry, Good mature seed, ocymoides variety.

GARDNER, H. A. PERILLA PLANTINGS. Nat. Paint, Varnish, and Lacquer Assoc. Circ. 506:183-184. May 1936.

⁹ Oil, Paint, and Drug Reporter.

¹⁰ RABAK, F. SAFFLOWER, A POSSIBLE NEW OILSEED CROP FOR THE NORTHERN GREAT PLAINS AND THE WESTERN STATES. U. S. Dept. Agr. Circ. 366:6. 1935.

¹¹ Barrel equals one-sixth of a long ton. NORWAY: COMMITTEE FOR WHALING STATISTICS. INTERNATIONAL WHALING STATISTICS, p. 19. 1930.

¹² GOEDERT, A. W., and MADDUX, S. K., comp. PORK PACKING; VOLUME II—REVISED EDITION, THE PACKERS' ENCYCLOPEDIA; A TEST BOOK FOR THE PORK PACKER AND SAUSAGE MAKER. 360 pp., illus. Chicago. 1937. See p. 194.

Specific gravity at 60° F. of other oils is as follows: Palm-kernel oil, 0.912; kapok, sesame, and sunflower oils, 0.92; coconut, menhaden, and oleo oils, 0.926; linseed oil, 0.928; perilla oil, 0.93; tung oil, 0.944; oiticica oil, 0.948.

SAPONIFICATION VALUE, IODINE NUMBER, MELTING POINT, AND TITER

TABLE 169.—Saponification value, iodine number, melting point, and titer for leading fats and oils

Name or source	Saponification value ¹	Iodine number ²	Melting point ³	Titer of the fatty acid ⁴
			°C.	°C.
Babassu oil.....	247-250	14-16	22-26	22-23
Butter.....	227			
Castor oil.....	177-187	82-90		
Coconut oil.....	251-264	8-10	23-26	22-25
Corn oil.....	188-193	116-130		18-20
Cottonseed oil (crude).....	192-200	100-115		32-38
Hempseed oil.....	190-193	150-166		15-17
Herring oil ⁵	179-194	123-142		
Kapok oil (Java).....	189-195	80-98		27-32
Lard.....	195	46-70	36-40	38-42
Linseed oil.....	180-198	179-204		19-21
Menhaden oil ⁶	189-193	140-180		
Oiticica oil.....	188-192	* 218		
Olive oil.....	185-196	79-91		
Palm-kernel oil.....	240-250	16-23	24-28	20-28
Palm oil.....	196-206	48-58	20-50	38-47
Peanut oil.....	185-192	83-95		28-32
Perilla oil.....	188-197	185-206		
Poppy oil.....	189-196	132-140		16-19
Rape oil.....	108-180	98-106		13-15
Rubberseed oil.....	186-195	133-143		33
Safflower oil ⁷	189	146		
Sardine oil.....	189-192	160-190		
Sesame oil.....	188-193	103-115		21-24
Soybean oil.....	189-194	124-148		20-21
Sunflower oil.....	189-194	120-136		17-20
Tallow, beef.....	197	35-46	40-50	38-46
Teaseed oil.....	190-196	50-87		13-14
Tung oil.....	189-195	* 160-170		37-38
Walnut oil (English).....	189-197	140-152	12-16	14-16
Whale oil ⁸	188-194	110-160		23-25

¹ Saponification is conversion into soap; chemically the decomposition of a fat into glycerin and fatty acids by alkali, with the formation of a soap or salt of the fatty acids. Saponification value: The saponification number is a numerical value which is a measure of the quantity of alkali that a given quantity of fat will combine with to form a soap; specifically it is the number of milligrams of potassium hydroxide required to convert 1 gram of fat into glycerin and soap—that is, to saponify the fat. The number is an index, also, of the solubility of the soap made from any particular fat or oil. A high number is a general indication of a satisfactory adaptation for use in soap.

² Iodine number: The iodine value or iodine number of an oil represents the percentage of iodine by weight that a fat or oil in the natural state will absorb under certain specified conditions. The ability of an oil to absorb iodine is associated with its power to absorb oxygen and is more easily determined. Since the value of an oil as a drying oil depends on its ability to absorb oxygen from the air, when spread in a thin film, the iodine number is a rough index of the suitability of an oil for use in paints and varnishes. The iodine number, which will vary with different samples of the oil and with the method of testing, indicates the class to which an oil belongs, but the division between nondrying, semidrying, and drying oils is not clear-cut: In general, a fat or oil having an iodine number less than 100 is classed, by G. S. Jamieson, as nondrying; one having an iodine number between 100 and 130 as semidrying; and one with a number above 130 in the drying class.

³ Melting point is the temperature at which a solid becomes liquid. Fats, when heated, undergo more or less liquefaction, depending upon their character, at temperatures below those recorded. The figures given represent the range of melting points noted for different samples of fat.

⁴ Titer is the temperature at which the fatty acids derived from an oil or fat solidify after being melted. The higher this temperature or titer, the harder the oil.

⁵ HILDITCH, T. P. THE INDUSTRIAL CHEMISTRY OF THE FATS AND WAXES. 461 pp. London. 1927. See pp. 121-124.

⁶ The iodine number varies widely according to the sample tested and the method of determination used. The number shown here is calculated by R. S. McKinney and G. S. Jamieson.

⁷ ANONYMOUS. SAFFLOWER SEED OIL TESTS ENCOURAGE PRODUCER. Paint, Oil, and Chem. Rev., 97(6):20. 1935.

⁸ The iodine number of tung oil does not fully show the high relative drying power of the oil. It has been known to show an iodine number between 220 and 235 with methods causing the more complete absorption of iodine. CONCANNON, C. C. TUNG OIL, ECONOMIC AND COMMERCIAL FACTORS IN THE DEVELOPMENT OF A DOMESTIC TUNG OIL INDUSTRY. U. S. Dept. Com., Bur. Foreign and Dom. Com., Trade Promotion Series, no. 133, 106 pp., illus. 1932. See p. 50.

Compiled from Jamieson, G. S. (footnote 10, p. 120), or from his office files, except as otherwise noted.

FATTY ACIDS

TABLE 170.—Percentage of the more important fatty acids in commonly used fats and oils

Fat or oil	Lauric ¹	Myristic ¹	Palmitic ²	Stearic ³	Oleic ⁴	Linoleic ⁵	Linolenic	Ricinoleic ¹	Erucic	Elaeostearic	Licanic
	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.	Pct.
Babassu oil.....	46	20	7		18						
Castor oil.....				0.3-3	7-9	3-4		80-86			
Coconut oil.....	45-51	18-20	4-8	0.8-5	2-10	1					
Corn oil.....			7	3	43	39					
Cottonseed oil.....		0.5	21	2	29	43					
Kapok oil.....			10	8	43	31					
Linseed oil.....					5	48	34				
Oiticica oil.....					6						78
Olive oil.....		0.1-0.2	7-14	1-2	69-84	4-12					
Palm-kernel oil.....	50-52	15-16	6-8	1-2	16	1					
Palm oil.....		1-2	30-41	4-6	38-50	8-11					
Peanut oil.....			6-8	3-6	51-72	13-26					
Rape oil.....		2	1	2	20-32	14-15	1-2		50-57		
Sesame oil.....			7	4	46	35					
Soybean oil.....			6	4	32	49	2				
Sunflower oil.....			4	3	33	58					
Tallow, beef.....		0.4-1	27-31	14	-19	39-46	2-3				
Tallow, mutton.....		5	25	30	30	4					
Tung oil.....			4	1	14					73	

¹ Lauric, myristic, and ricinoleic acids in soap materials make lathering possible in salt or cold water. These acids are also needed in the manufacture of auto tires; also useful in tanning white leather.

² Palmitic acid is an acid forming a component of certain triglycerids (see also palmitin). It forms tufts of fine crystalline needles or thin flat prisms; melting at 62.6° C.

³ Depending on the quality, commercial stearic acid is used in the manufacture of candles, cosmetics, buffing compounds, metal and shoe polishes, and rubber.

⁴ Oleic acid is an acid forming a component of certain triglycerids. It is a liquid. It has the same formula as stearic acid except that it contains 2 atoms less of hydrogen. It is, therefore, an unsaturated acid. Commercially known as "red oil."

⁵ Metallic salts of the acid are used as dryer in paint and varnish manufacturing. Linoleic acid tends to cause quick rancidity in soap.

Compiled from Jamieson, G. S. (footnote 10, p. 120), except tallow, kapok oil, babassu oil, and oiticica oil, which were supplied by Dr. Jamieson personally.

Lauric, myristic, palmitic, and stearic are saturated fatty acids, solid at ordinary temperatures. Oleic, linoleic, linolenic, and ricinoleic are unsaturated fatty acids, liquid at ordinary temperatures, erucic, licanic, and elaeostearic are unsaturated fatty acids, solid at ordinary temperatures.

Percentages are all shown in decimals, but for general purposes of this table, have been rounded to whole numbers.